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A GRAMMAR

OF THE

LATIN LANGUAGE

FROM PLAUTUS TO SUETONIUS

BY

HENRY JOHN ROBY,

M.A. late FELLOW OF ST JOHN'S COLL. CAMBRIDGE.

PART I. containing :—

BOOK I. *SOUNDS.*

BOOK II. *INFLEXIONS.*

BOOK III. *WORD-FORMATION.*

APPENDICES.

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Table of Contents.

PREFACE.

General Observations.

Compass of the book :

- (1) A grammar, p. xvii.
- (2) of Latin, p. xviii.
- (3) of the classical period, p. xix.

Treatment of the matter of Book I. p. xxii.
..... Book II. p. xxiv.
..... Book III. p. xxvi.

Observations on Book I.; particularly on Pronunciation, p. xxx.

On **v** consonant, p. xxxiii.
On **f**, p. xlvi.
On **c** before **æ**, **e**, **i**, &c., p. xlvii.
On **g** before **æ**, **e** and **i**, p. lv.
On dentals: especially **ti** before a vowel, p. lvi.
On **bs**, **x**, **bt**, &c., p. lvii.
On **n** before gutturals, **gn**, p. lvii.
On **s**, p. lviii.
Origin of **ss**, p. lxii.
On the vowels, especially **o** and **e**, p. lxix.
On the diphthongs **ai**, **ae**, **oi**, **oe**, **ui**, p. lxxv.
On a supposed sound like **ü**, p. lxxvi.
Miscellaneous: chiefly on vowel pronunciation, p. lxxviii.
Division of words into syllables, p. lxxxiii.
Summary of Roman pronunciation, p. lxxxvii.

Observations on Book II.

On noun-stems ending in *e*, p. xci.

On noun-stems ending in *i*, and in a consonant, p. xciii.

On verbs with vowel stems, p. xcvi.

Concluding Remarks.

Acknowledgment of obligations, p. c.

Editions used, p. cii.

Conclusion, p. ciii.

Preface to Second Edition, p. civ.

BOOK I. SOUNDS.

Chap. I. Elements of Speech; and particularly Consonants, p. 3.

II. Combination of Consonants, p. 6.

III. Vowels and Combinations of Vowels, p. 8.

IV. Laws of Phonetic change, p. 11.

Sudden phonetic change, p. 11.

Gradual phonetic change, p. 16.

V. Latin Alphabet in general, p. 21.

VI. Latin Alphabet in detail:

Labials and Labiodentals, p. 24.

P, p. 24; **B**, p. 26; **M**, p. 27; **V** as consonant, p. 29; **F**, p. 32.

VII. Gutturals and Palatals, p. 34.

K, **C**, p. 34; **X**, p. 36; **Q**, p. 37; **G**, p. 38; **H**, p. 40; **J**, p. 42.

VIII. Dentals and Linguals, p. 44.

T, p. 44; **D**, p. 47; **N**, p. 50; **L**, p. 52; **R**, p. 54; **S**, p. 57; **Z**, p. 61.

IX. Vowels, p. 62.

A, p. 62; **O**, p. 65; **U**, p. 69; **E**, p. 72; **I**, p. 77.

-
- X. Diphthongs, p. 81.
 AU, p. 81; OU, p. 81; EU, p. 82; AI, p. 82; AE, p. 82; OI, OE, p. 83; EI, p. 84.
- XI. Of Latin Words and Syllables, p. 86.
 §§ 269—271. Of the commencement and ending of Latin words, p. 86.
 §§ 272—274. Of the division of syllables in Latin words, p. 87.
- XII. Quantity of Syllables, p. 89.
 i. Quantity of vowels not in last syllable, p. 90.
 ii. Quantity of vowels in last syllable, p. 90.
 iii. Quantity of syllables by position in the same word, p. 93.
 iv. Effect of initial sounds on preceding final syllables, p. 94.
 v. Peculiarities in early dramatic verse, p. 97.
- XIII. Accentuation, p. 98.

BOOK II. INFLEXIONS.

- Chap. I. Of inflexions in general, p. 103.
- II. Of NOUN INFLEXIONS, and particularly of Gender, p. 104.
- III. Of noun inflexions of Number, p. 109.
- IV. Of Case inflexions in general, p. 112.
- V. Nouns of Class I., p. 113.
 I. Gender, p. 113.
 II. Inflexions of Case, p. 115.
 1. Declension of stems in -a and -e, p. 115.
 2. Ordinary declension of -o stems, p. 116.
 3. Declension of stems in -ro, p. 117.
 4. Præ-Augustan declension of stems in -uo, p. 118.
 5. Augustan and præ-Augustan declension of stems in -io, p. 119.

-
- VI. Old and exceptional forms of cases (Class I.), p. 120.
1. Singular Number, p. 120.
 2. Plural Number, p. 123.
 - § 369. Defective or redundant words (Class I.), p. 125.
- VII. Peculiar declension of certain Pronouns and Adjectives (Class I.), p. 126.
1. *unus, ullus, nullus, solus, totus, alter, uter, &c., ipse*, p. 126.
 2. *ille, iste, alius*, p. 127; *illic, istic*, p. 128.
 3. *hic*, p. 128.
 4. *is*, p. 129; *idem*, p. 130.
 5. *qui*, p. 130; *quis*, p. 131; compounds of *qui, quis*, p. 131.
- VIII. Personal Pronouns, p. 132.
- IX. Nouns of Class II., p. 133.
- i. Declension of *-u* stems, p. 133.
(Use of genitive in *-i*, p. 135.)
- X. ii. Declension of *-i* stems, p. 136.
1. Stems with labial before *i*, p. 138.
 2. Stems with guttural before *i*, p. 140.
 3. Stems with dental before *i*, p. 142.
 4. Stems in *-ni*, p. 145; *-li*, p. 145; *-ri*, p. 147; *-si*, p. 148.
- XI. iii. Declension of consonant stems, p. 149.
1. Stems ending in mutes and *-m*, p. 150.
(a) Labial stems, p. 150; (b) Guttural stems, p. 151; (c) Dental stems, p. 152.
 2. Stems ending in *-n*, p. 154.
 3. Stems ending in *-l, -r, -s*, p. 156.
- XII. Old or exceptional forms of Cases (Class II), p. 160.
- Singular number, p. 160.
- Plural number, p. 162.

- XIII. Greek Nouns, Class I., p. 162.
 i. Stems in -**a**, p. 163.
 ii. Stems in -**o**, p. 164.
- XIV. Greek Nouns, Class II., p. 166.
 1. Stems in -**o**, -**ou**, -**y**, p. 166.
 2. Stems in -**e** and -**i**, p. 167.
 3. Consonant stems, p. 168.
 (*a*) Labial stems, p. 169; (*b*) Guttural stems, p. 169; (*c*) Dental stems, p. 169; (*d*) Stems in -**n**, p. 171; (*e*) Stems in -**s** or -**r**, p. 172.
- XV. Adverbs and Conjunctions, p. 173.
 Ending in -**a**, p. 173; in -**ou**, p. 173; in -**o**, p. 173; in -**u**, p. 175; in -**e**, p. 175; in -**i**, p. 176; in -**b**, p. 177; in -**m**, p. 177; in -**t**, -**d**, p. 179; in -**n**, p. 179; in -**l**, p. 180; in -**r**, p. 180; in -**s**, p. 181.
- XVI. INFLEXIONS OF VERB. Introduction, p. 182.
 Purpose of inflexions, p. 182.
 English equivalents, p. 183.
- XVII. Inflexions of Person and Number, p. 185.
 First Person, p. 186.
 Second Person, p. 187.
 Third Person, p. 188.
- XVIII. Inflexions of Mood, p. 189.
 1. Indicative Mood, p. 189.
 2. Imperative Mood, p. 189.
 3. Subjunctive Mood, p. 191.
- XIX. Classification of inflexions of Tense, p. 192.
- XX. Tenses formed from the Present Stem.
 Present, p. 194; Future, p. 194; Imperfect indicative, p. 195; Imperfect subjunctive, p. 195; Present Infinitive active, p. 196; Infinitive passive, p. 196; Gerund and gerundive, p. 197.
 Old Futures in -**so**, -**sim**, p. 197.

-
- XXI. Of Verb Stems; especially the Present Stem,
p. 200.
i. Consonant verbs, p. 200.
(Inchoative forms, p. 201.)
ii. Vowel verbs
1. with stems in -a, p. 203;
2. with stems in -o, p. 204;
3. with stems in -u, p. 204;
4. with stems in -e, p. 204;
5. with stems in -i, p. 205.
- XXII. Tenses formed from the Perfect Stem, p. 206.
- XXIII. Of the Perfect Stem, p. 209.
Perfect Stems formed
1. by reduplication, p. 209;
2. by lengthening the stem vowel, p. 210;
3. by suffixing -s, p. 210;
4. by suffixing -u, p. 212; -v, p. 213;
5. Perfect stem same as present stem, p. 214.
Verbs (non-derivative) which have no perfect active,
p. 215.
- XXIV. Of the Supine Stem, p. 216.
i. Verbs with a vowel preceding supine suffix, p. 216.
ii. Verbs with a consonant preceding supine suffix,
1. Verbs which retain t, p. 218;
2. Verbs which soften t to s, p. 220.
Nature of supines, p. 221.
Forms derived from supine stem, p. 222.
- XXV. Of the Traditional Classification of Verbs, p. 223.
- XXVI. Examples of the Complete Inflexions of Verbs,
p. 225.
Present stem. Consonant conjugation, p. 226.
Principal vowel conjugation, p. 227.
Other vowel conjugations, p. 228.
Perfect stem, p. 230.
Supine stem, p. 231.

-
- XXVII. Inflexions of the Verb *sum*, and compounds, p. 232.
(*possum*, p. 233.)
- XXVIII. Inflexions of some Irregular Verbs,
do; *volo*, *nolo*, *malo*; *eo*; *fi*; *edo*; *fero*, *feror*,
pp. 234, 235; *queo*, p. 236.
- XXIX. Alphabetical List of Deponent Verbs, p. 236.
List of deponent past participles, p. 238.
- XXX. Alphabetical List of Verbs, with their perfects,
supines, &c., p. 239.
Additional verbs with no perfect or supine.
-e verbs, p. 264; -i verbs, p. 264.

BOOK III. WORD-FORMATION.

- Chap. I. Elements of Word-formation, p. 267.
- i. Reduplication, p. 267.
 - ii. Internal change, p. 268.
 - iii. Suffixes: (a) Suffixes of inflexion (see Book II.);
(b) Stem suffixes, p. 268; (c) Derivative suffixes (see Chap. II.).
 - iv. Composition (see Chap. XI.).
Interjections (see Chap. XII.).
- II. DERIVATIVE SUFFIXES, p. 270.
- III. Labial Noun-stems; ending in
- i. -po, p. 272; -pho, p. 273; -pi, -p, p. 273.
 - ii. -bo, p. 273; -bi, -b, p. 274.
 - iii. -mo, p. 274; -ūmo (-lmo), -iss-ūmo, p. 275;
-l-ūmo, -r-ūmo, -t-ūmo, p. 276; -ēs-ūmo,
p. 277; -mi, -m, p. 277.
 - iv. -vo, p. 277; -uo, p. 278; -l-vo, -t-lvo, p. 279;
-vi, -ui, p. 280.
 - v. -fo, p. 280.

IV. Guttural Noun-stems; ending in

- i. -co, -qvo, p. 280; -lco, p. 281.
 -tī-co, -ātī-co, -lī-co (-leo), rī-co (-rco), p. 282.
 -in-qvo, -l-qvo, p. 282.
 -ā-co, p. 282; -ū-co, -l-co, p. 283; i-ā-co, p. 283.
 -cu, -ci, -c, p. 283; -ēc (lc), p. 283; -lc, p. 284.
 -ā-ci, -ō-ci, -ē-c, -l-ci, -lc, p. 284; -t-r-lci (-trle),
 p. 285.
- ii. -go, -gvo, pp. 285, 286; -gi, -g, gvi, p. 286.
- iii. -ho, -hl, p. 286.

V. Dental Noun-stems; ending in

- i. -to, p. 286; -to (-so), p. 287; -us-to, -es-to,
 p. 289.
 -en-to, -m-en-to, p. 289; -tī-en-to, p. 290.
 -gin-tā, -gintī, p. 290; -cen-to, -gen-to, p. 291.
 -ā-to, p. 291; -ō-to, -ū-to, -ē-to, p. 292; -l-to,
 p. 293.
- ii. -tu (-su), p. 293; -ul-tu, -ā-tu, p. 294.
 -tī (-sī), p. 295; -āt, p. 295; -ōt, -ūt (lt), p. 296.
 -ē-tī (ltī), -ēt, -ēt (lt), -m-ēt (-mīt), p. 296.
 -en-tī, -l-en-tī, -s-tī, pp. 296, 297.
 -ā-tī, -āt, -t-āt, p. 297; -es-t-āt, p. 298.
 -ō-tī, -ōt, -ūt, -tū-t, -ē-tī, p. 298; -l-tī, p. 299.
- iii. -ō-so, p. 299; -cō-so, -lō-so, i-cū-lō-so, p. 300.
 -u-ō-so, i-ō-so, p. 300.
 -en-sī, -l-en-sī, p. 300.
- iv. -do, p. 301; -ēb-un-do, -lū-un-do, -āb-un-do,
 p. 302; -c-un-do, p. 303.
- v. -du, -di, -ūd, -ēd (ld), p. 303; -ōd, -ēd, -d,
 p. 303.

VI. Dental Noun-stems (continued); ending in

- vi. -no, -l-no, p. 304; -mī-no (-mno), p. 305; -gī-
 no (-gno), p. 306.
 -tī-no, p. 306; -ur-no, -er-no, -t-er-no, p. 306.
 -ā-no, -l-ā-no, -lī-ā-no, pp. 307, 308; -ō-no,
 -ē-no, -ū-no, p. 308.

-æ-no, -ē-no, -i-ē-no, -l-ē-no, p. 309.

-ī-no, p. 309; -ai-ne, -ti-no, -li-no, -t-rī-no,
p. 311.

vii. -ni, p. 311; -ōn (īn), p. 312.

-g-ōn (-gīn), -āg-ōn, -l-āg-ōn, -ūg-ōn, -ig-ōn,
p. 312.

-d-ōn, -ūd-ōn, -t-ūd-ōn, -ēd-ōn, -īd-ōn, pp. 312, 313.

-ēn, p. 313; -ēn (-īn), -m-ēn, p. 314.

-ōn, p. 315; -i-ōn, p. 316; -ci-ōn, -ti-ōn, p. 317.

VII. Lingual Noun-stems; ending in

i. -lo, -ō-lo, p. 319; -ū-lo, p. 320; -pū-lo, -bū-lo,
p. 323.

-cū-lo (-clo), p. 323; -un-cū-lo, p. 325; -us-cū-lo,
p. 326.

-ē-dū-lo, p. 326.

-ul-lū-lo, -el-lū-lo, p. 326; -il-lū-lo, p. 327;
-ī-lo, p. 327.

-al-lo, -aul-lo, -ol-lo, -ul-lo, -el-lo, p. 327;
il-lo, p. 329.

-ā-lo, -au-lo, -ō-lo, -ū-lo, -æ-lo, -ē-lo (-ello),
-ī-lo, p. 330.

ii. -li, -l, pp. 330, 331; -sūl, p. 331.

-ī-li, -bī-li, p. 331; -sī-bī-li, p. 332.

-tī-li (-sīli), -ā-tī-li, pp. 332, 333.

-ā-li, p. 333; -ū-li, -ē-li, -ī-li, p. 335.

VIII. Lingual Noun-stems (continued); ending in

iii. -ro, -ā-ro, -ō-ro, -ū-ro, pp. 336, 337.

-ē-ro, -bē-ro (-bro), p. 337; -cē-ro (-cro), p. 338.

-tē-ro (-tro), p. 338; -as-tē-ro (-astro), p. 339;

-d-ro, -ī-ro, p. 339.

-ā-ro, -au-ro, p. 339; -ō-ro, -ū-ro, -tū-ro (-sūro),
p. 340.

-ē-ro, -ī-ro, p. 341.

iv. -ru, -rī, p. 341; -r, -ār, -ōr, -ūr, p. 342.

-ē-rī, -ēr, -bē-rī (-brī), p. 342; -bēr, p. 343.

-cē-rī (-crī), -tru, -tē-rī (-trī), -es-tē-rī (-estri),
p. 343; -tēr (-tr), -īn-ēr, p. 343.

-ā-ri, p. 343; -ōr, -t-ōr (-sōr), p. 345; -ū-ri, p. 348.

v. -ōs (-ōr), -n-ōs (-nōr), -ūs (ēr), -n-ūs (-nēr), p. 348.

-ēs (-ēr), -īs (-ēr), p. 348.

-ōs (-ōr), -l-ōs (-lōr), p. 349; -ūs (-ūr), p. 350.

IX. Vowel Noun-stems; ending in

(-uo, see p. 278.)

i. -e-o, p. 350; -ā-ce-o, -ū-ce-o, -te-o, p. 351.
-ne-o, -g-ne-o, p. 351; -ā-ne-o, -tā-ne-o, -ō-ne-o, -le-o, p. 352.

ii. -i-o, p. 352; -ci-o, -i-ci-o, p. 356; -ī-ci-o, -tī-ci-o (-sīcio), p. 357.

-ti-o, p. 357; -en-ti-o, p. 358; -n-di-o, p. 359.

-ni-o, -m-ni-o, -mō-ni-o, -cī-ni-o, p. 359.

-li-o, -ā-li-o, -ē-li-o, -lī-li-o (-līio), p. 359.

-ri-o, -b-ri-o, -ā-ri-o, p. 360; -tō-ri-o (-sōrio), p. 362.

-eio, p. 363.

iii. Proper names ending in

-pi-o, -bi-o, -mi-o, -vi-o, p. 363; -fi-o, p. 364.

-ci-o, -gi-o, -ti-o, -di-o, p. 364.

-ni-o, p. 364; -li-o, -ri-o, -si-o, p. 365.

-ai-o, -ei-o, p. 365.

X. Verb-stems, p. 367.

i. Verbs with stems ending in ā

(1) from substantives with -a stems, p. 367;

(2) from substantives with -e stems, p. 368;

(3) from nouns with -o stems, p. 368;

(4) from substantives with -u stems, p. 370;

(5) from nouns with -i stems, p. 370;

(6) from nouns with consonant stems, p. 370.

Verbs ending in

-ic-ā, -t-ig-ā, p. 371.

-t-ā (-sā), p. 371; -īt-ā, p. 372; -t-īt-ā (-sītā),

p. 373.

-cīn-ā, p. 373.

-ōl-ā, -ūl-ā, -īl-ā, -īl-lā, p. 373.

Verbs formed from, or parallel to, other verbs,
p. 374.

Miscellaneous, p. 374.

ii. Verbs with -u stems, p. 375.

iii. Verbs with -e stems, p. 375.

iv. Verbs with -l stems, p. 375.

-ūtl, p. 376.

-ūrl, p. 377.

-ūrl, p. 377.

v. Inchoative verbs, p. 377.

Verbs with stems ending in -ss, -ssi (see p. 199).

XI. COMPOSITION, p. 378.

i. Spurious compounds, p. 379.

ii. Compounds of prepositions used absolutely, or
of inseparable particles, p. 380.

1. Verbs, p. 380.

2. Nouns, (a) containing a verbal stem, p. 381;
(b) containing a nominal stem, p. 382.

iii. Compounds of words in regular syntactical re-
lation to one another, p. 385;

A. Attribute + substantive:

(a) numeral + substantive, p. 385,

(b) ordinary adjective + substantive, p. 387.

B. Preposition + substantive, p. 388.

C. Nouns collateral to one another, p. 390.

D. Object + verb, p. 390.

E. Oblique predicate + verb, p. 394.

F. Subject + verb, p. 395.

G. Oblique case or adjective used adverbially
+ verb, p. 395.

Adverb + Participle, p. 396.

XII. Interjections:

1. Imitations of sounds, p. 396.

2. Abbreviated sentences or mutilated words,
p. 398.

APPENDICES.

App. A. Quotations from M. Bell, A. J. Ellis, &c., p. 401.

- i. Introduction, p. 401.
- ii—iv. On Nasals, p. 401.
- v. On held or sustained Consonants, p. 402.
- vi. On the length of Consonants, p. 403.
- vii. On sharp and flat Consonants, p. 403.
- viii.—x. On the imperfect vocality of Consonants, p. 404.
- xi., xii. On diphthongs, p. 405.
- xiii.—xvii. On English r, p. 407.
- xviii. Connexion of u, w, v, b, qu, &c., p. 409.
- xix. Roman preference of vo to vu, p. 411.
- xx.—xxii. On Labialisation, p. 411.
- xxiii. On k, c, q, p. 412.
- xxiv. Close affinity of t and j, p. 413.
- xxv. On Palatalisation, p. 413.
- xxvi., xxvii. On the change of t to s, p. 413.
- xxviii. On the change of s to r, p. 414.
- xxix. Omission of t before l and n, p. 414.
- xxx. Interchange of l and r, p. 415.
- xxxi. Correspondence of Latin f to Greek θ, p. 415.

App. B. Selection of Republican Inscriptions, arranged chronologically, p. 416.

- i.—v. Before end of 5th century, U.C., p. 416.
- vi. Cir. 500 U.C. On L. Scipio, son of Barbatus, p. 417.
- vii. Of C. Placentius, p. 418.
- viii. 520 U.C. On L. Corn. Scipio Barbatus, p. 418.
- ix. 565 U.C. Decree of L. Æmilius, p. 419.
- x. 568 U.C. S. C. de Bacanalibus, p. 419.
- xi. End of 6th cent. On son of P. Afr. Scipio major, p. 422.
- xii. Before 620 U.C. At Sora, p. 422.
- xiii. Beginning of 7th cent. U.C. On L. Corn. Scipio, p. 423.
- xiv. ib. On Cn. Corn. Scipio, p. 423.

- xv. 608—620 U.C. Of Mummius, p. 424.
- xvi. After 620 U.C. At Aletrium, p. 424.
- xvii. 622 U.C. Popillius' milestone, p. 425.
- xviii., xix. 622—625 U.C. Boundary stones of the Gracchi, p. 426.
- xx. S. C. de Tiburtibus, p. 426.
- xxi. 646 U.C. At Capua, p. 427.
- xxii. Cir. 664 U.C. At Æclanum, p. 428.
- xxiii. 674 U.C. Part of 'Lex Cornelia de xv. Quæstoribus,' p. 428.
- xxiv. On M. Cæcilius, p. 429.
- xxv. End of republic. Imprecation on Rhodine, p. 429.
- xxvi. 709 U.C. Part of 'Lex Julia municipalis,' p. 430.
- xxvii. End of republic. On Eucharis, p. 431.

App. C. Degrees of Nouns Adjective, p. 432.

- i., ii. Formation of comparative and superlative, p. 432.
- iii. Irregular or Defective adjectives, p. 434.
- iv. Adjectives used only in the positive, p. 435.
- v. Participles which have comparatives and superlatives, p. 437.

App. D. Numerals, Measures, Weights, &c.

- i. List of Numerals, p. 438.
- ii. Signs for Numerals, p. 441.
- iii. Inflexions of Numerals, p. 442.
- iv. Order in compounding Numerals, p. 442.
- v. Use of classes of Numerals, p. 443.
- vi. Expression of Fractions, p. 444.
- vii. Money coinage, p. 444.
- viii. Expression of sums of money, p. 446.
Division and multiples of the *as*, p. 447.
Expression of 'odd pence' (*æs excurrens*), pp. 448, 449.
- ix. Expression of Interest of Money, p. 450.
- x. Measures of Weight, p. 451.
- xi. Measures of Length, p. 451.
- xii. Measures of Surface, p. 452.

- xiii. Measures of Capacity, p. 452.
- xiv. Division of Time, p. 453.
- xv. Expression of the Date, p. 453.

App. E. Names of Family Relations.

- i. Relations by blood, p. 456.
- ii. Relations by marriage, p. 457.
- iii. Remarks.

App. F. Tabular arrangement of certain Pronouns.

- i. Correlative (pronominal) adjectives, p. 458;
- ii. Correlative (pronominal) adverbs, p. 459;
- iii. Chief (pronominal) adverbs of place, p. 459;
- iv. Chief (pronominal) adverbs of time, p. 460.

App. G. Abbreviations, p. 461.

Select Index, p. 465.

Preface.

General Observations.

As the present work differs in many respects from other grammars in use, it may be desirable that I should briefly note some of the more important changes which I have made, and in some cases discuss the grounds of the change. In the work itself I have refrained from dissertation, and aimed at giving the facts of the language in as few words as possible. If facts are stated with their real limitations, they either explain themselves, or at least afford a sound basis for theory to work on. If they are grouped according to their natural affinities and arranged on natural principles, the briefest statement is the most illustrative.

I have called the book, *A Grammar of the Latin Language from Plautus to Suetonius*. Now first, by *Grammar*, I mean an orderly arrangement of the facts which concern the *form* of a language, as a *Lexicon* gives those which concern its *matter*. The ordinary division into four parts seems to me right and convenient. The first three Books on Sounds, Inflexions, and Word-formation, are often comprehended under the general term *Formenlehre*. The fourth Book, on Syntax, contains the *use* of the inflexions and of the several classes of words. I have given much greater extension than is usual to the treatment of Sounds and Word-formation, and on the other hand, have cut away from the 2nd and 4th Books several matters which do not properly belong to them. For instance, numerals and pronouns are often included in Book II. in a way which conceals the fact, that it is only so far as their inflexions are peculiar, that they demand specific notice. Again, the use of prepositions and conjunctions is often discussed in the Syntax; whereas, so far as the use depends not on the class to which a word belongs, but on the meaning of the individual, the discussion belongs to lexicography. The error lies in thinking, that because certain words

therefore
including
have put
the second
of arrange-
ment are first
own way.

It is not a
section of
this, and a
man is one
Sonnets or
fragments of
the Verb is
made to de-
terminately
the English,
and, in the
meaning as
plain of the
form, merely
is the only
possibly one to
have learnt
and an entire
I. and III,
only, for the
of *Exposition*,
a but little,
as would we
hesitate to
the theories of
on frequent
is in-
oldest. Each
or disguised
even though

guarantied by Comparative Philology. It is no doubt true that progress in the knowledge of language is to be attained only, as in other sciences, by the constant action and reaction of theory and observation; of the comparison of phenomena in different languages with the special investigation of each for itself. I have chosen the latter part of the work, without supposing that all the secrets of Latin etymology could be discovered by so limited a view. But it is true all the same, that if one's eyes are but armed or practised (and some study of Comparative Philology alone can arm them), a closer and longer gaze detects something which might otherwise be overlooked.

Lastly, this is a Grammar of Latin *from Plautus to Suetonius*. That is to say, I have confined my statements of facts and lists of words or forms (except with distinct mention) to the period from the commencement of Latin literature to the end of the silver age, i.e., roughly speaking, to the three centuries from cir. 200 B.C. to cir. 120 A.D. There are but few inscriptions before 200 B.C. What there are I have of course taken into account. On the other hand, the imperial inscriptions which come within this period are not yet conveniently accessible in trustworthy texts. The silver age I take to end at latest with Tacitus and Suetonius¹, and I am convinced that this is as real a division with the line drawn at the right place, as literature admits of. It is quite remarkable how many forms and words are wholly confined to later writers or are used in common with only one or two rare instances in Pliny the elder, Suetonius, &c. Nor can any subsequent writer be fairly regarded as within the pale. The literature of the second century p. Chr. is but small. Aulus Gellius and Fronto are near in time, being indeed contemporaries of Suetonius' later life, but their claims are vitiated by so much of their language being conscious antiquarianism. The lawyers Javolenus, Julianus, Pomponius, Gaius, &c. have perhaps the strongest claim, for they naturally, as lawyers, use a somewhat older style than their age would imply. Their inclusion however would not noticeably affect the statements. But it is intolerable to find frequently given in modern Grammars, without a word of warning, forms and words which owe their existence to Apuleius or Tertullian—imaginative antiquarian Africans, far removed indeed from insig-

¹ Suetonius' *Lives of the Cæsars* date about 120 A.D., though he lived to cir. 160 A.D. Teuffel, *Gesch. Röm. Lit.* § 324.

nificance, and not at all wanting in interest, but certainly not representative of the ordinary or normal language of the Romans. Some other writers, e.g. Justin, Florus, &c. are of too uncertain an age, and too unimportant, to be worth considering. Writers of the third and fourth century, however good, are quite inadmissible. Nor am I at all disposed to attach weight to a mention of a word or form in Priscian or other Grammarians, unless accompanied by a clearly intelligible quotation from an author before 120 A.D., or thereabouts. I do not mean that distinct proof can or need be alleged e.g. for every person of every tense of an ordinary verb; but any typical form not shewn to have been used in the period here taken, ought to be excluded from a Grammar of Classical Latin, or mentioned only with the authority affixed. E.g. *indultum* is usually given as the supine of *indulgere*, but neither it nor its kin (*indultor*, &c.) are found before Tertullian; and this fact is seen to be important when it is observed that they deviate from the regular analogy of stems in *-lg* (§ 191, 3), and that their occurrence is in fact contemporaneous with the use of *indulgeri* as a personal passive. Again, I have said in § 395 that *quercus* has no dative singular or dat. abl. plural. But Servius uses (and the form seems right enough) *quercubus* (*Neue*, i. p. 376). It should be understood therefore that a statement in the following pages that a form or word is not found, does not necessarily mean more than that it is not found within the classical period. A form or word first found in subsequent writers may be legitimate enough, and the absence of authority for it may be only accidental, but in such cases the subsequent use does not appear to me to add anything to the evidence for its legitimacy; i.e. it does not make it more probable that Cicero or Livy, or Horace, or Quintilian, or even Plautus might have used it. The character of the formation and the probability that, if no objections had been felt to lie against it, it would have been used by some now extant author, who wrote before 120 A.D., form the real turning-points of such a discussion. And to gain a firm basis for the discussion we must have the facts of the normal Latin usage clear from later and inferential accretions. Corssen has made his wonderful collection of facts much less useful than it might have been, by not distinguishing *always* between later and earlier forms. Of course an exclusion of the later forms from a book like his is not at all

to be desired; but it is thoroughly misleading to put together words first found in the 4th century of the Christian Era, along with well-known words belonging to the ordinary language of the Romans. To take one instance—(hundreds might be given); he adduces (*Beitr.* p. 107; *Ausspr.* i. § 77) nine substantives in *-ēdln* (*ēdōn*, as I call it), which he says are from verbs with *-e* stems, and stand beside six adjectives in *-ido*, from six of the same verbs. Now the six adjectives are all well accredited. But of the nine substantives, two only (*torpedo*, *gravedo*) are well accredited; one more (*pingvedo*) occurs once in Pliny the elder, and then not again till the 4th century: one other (*frigedo*) is quoted by Nonius from Varro; three others are first found in Apuleius, two more not until the 4th century p. Chr. Now these last five words are probably mere creations of a later age in conscious imitation of the earlier words, and, it may be, imitating them, *because* they were rare. But as soon as we get to conscious imitation by literary speculators, the value of the words as evidence of the proper development of the language is gone.

[Another instance may be taken. Gustav Meyer, in an interesting essay on *Composition in Greek and Latin* in *Curtius Studien* v. i. p. 42, quotes from Corssen *II*². 318, as proofs “that the weakening of *a*, *o*, *u* to *i* in compounds was not always the rule” (nicht von je her überwiegend üblich), the examples *sacro-sanctus*, *Sacrovir*, *Ahenobarbus*, *primogenitus*, *mulomedicus*, *albo-galerus*, *albogilvus*, *merobiba*, *sociofraudus*, *vicomagister*, and says that “these justify the supposition that originally the *o*-stems entered unaltered into composition.” I take these words in order.

Sacrosanctus is not an ordinary compound, but its precise components are not clear. I have suggested (§ 998) that it is possibly a spurious compound. For in Pliny 7. § 143 we have *resistendi sacroque sanctum repellendi jus non esset*. Probably *sacro* is an ablative, *by a sacrifice*; or *victim*; or *curse*. *Sacrovir* is only known as the name of a Hæduan in Tacitus. The origin of the name is obscure. Is it Roman at all? The first *Ahenobarbus* of whom we have any historical account held office about 200 years B.C., though the family traditions carried the origin of the name to the battle of Lake Regillus. *Primogenitus* appears to be first found in Palladius: (in Pliny 11. § 234, I find (in Detlefsen and Jan's editions) only

primis genitis). *Mulomedicus* is in Vegetius; *albogalerus* in the extracts of Paulus from Festus. *Merobiba* and *sociofraudus* are each found once only in Plautus. They are evidently compounds framed on the spur of the moment and not part of the ordinary stock of the language. Moreover *sociofraudus* must retain the *o* after *l*. *Vicomagister* appears to be found only in the barbarous *Curiosum urbis Romæ regimen*, which is referred to the end of the 4th century p. Chr.

Of the whole number of ten words, one only (*Ahenobarbus*) can be taken as an instance of some weight for the matter in question.]

My authorities then are the writers of the classical period as above defined; and I have not knowingly admitted, without distinct mention, any word which they have not used, or made any statement which their writings critically examined do not justify. But Donat and Priscian have so long reigned over Latin Grammar, and Latin Grammar has so impregnated literary speculation, that it is next to impossible, if it were desirable, to emancipate oneself from their influence. Still it is important to decline to recognize them as authorities for the grammatical usage of classical Latin, except where they may be taken to be witnesses to facts. They no doubt had access to some writings which are now lost, and they often transmit the theories of older grammarians; but they no doubt also sometimes misunderstood them, they avowedly regarded Greeks as their supreme authorities, they lived when Latin had long ceased to be pure, and they probably would have regarded a statement by Cæsar or Pliny of what ought to be said, as of more importance than the actual fact of what Cæsar or Pliny did say. But it is to the usage, not to the grammatical theories, of good writers that we should look for our standard of right. And for my part, if canons of grammar are to be laid down, I prefer Madvig to any Roman whatever, and believe Ritschl and Mommsen know a great deal more about the Duellian inscription (§ 467) than Quintilian did.

The arrangement adopted requires a few words.

In Book I. I have thought it important to give a sketch, however slight, of the analysis of vocal sound and of the laws of phonetic change. The special Latin phenomena are treated at some length; but I have been desirous rather that the instances given

should be tolerably certain, than that all possible instances should be included. In most grammars these phenomena are collected and arranged under the heads of *Omission*, *Contraction*, &c. If any one desires such an arrangement, he can make it for himself, by simply turning to those heads under each letter. But as the primary division of the matter it seems to me much more natural and fruitful to make each particular letter the centre of discussion. Whether it be changed or inserted or absorbed must ultimately depend on the sound it represents and on the relations of this sound to others. The ordinary procedure is the same as if a treatise on chemistry arranged all the phenomena of chemical action under such heads as *Explosion*, *Solution*, *Combination*, &c. Schweizer-Sidler's arrangement by the affections of *groups* of letters is rational enough, but not, I think, very convenient.

I have distinguished with some care between instances of *correspondence* and *representation* (see note on p. 24). The distinction of these two classes of phenomena is ignored in many of the earlier grammars, and is still not unfrequently forgotten. Yet the distinction is of great moment. In questions of pronunciation *representation* gives very important evidence, while *correspondence* witnesses at most to the pronunciation of primæval or at least præ-historical times. On the other hand, in discussing the affinities of language, *correspondence* bears the whole weight of the argument, and *representation* can only mislead.

The arrangement of the letters has been adopted as the one which best brings into connexion allied sounds. Gutturals have a tendency to pass into dentals, and dentals into linguals; and these classes should therefore come in this order. Labials form a class somewhat apart from the rest, and I have therefore put them first, out of the way. The relations of the nasals are on the whole more with the labials, gutturals, and dentals respectively than with one another. The order of the vowels is that given by Ritschl, and is the same to a great extent as that given by Corssen. It is without doubt, so far at least as it is common to these two authors, the order of development in the history of the language. Any one referring to Bell's *Visible Speech* (p. 73), will see that the order has a physiological side also, in so far that the vocal cavity of the mouth is progressively diminished from *a* in this order to *i*.

I have not followed Schleicher and others in the treatment of Latin vocalization according to what for brevity I may call Sanskrit principles. This method applied to Latin seems to me to fail both in basis and result. Corssen's elaborate treatment of vowel-intensification in the first volume of his new edition is not more satisfactory; and on this point I can refer to Curtius (*Studien*, I. 2, p. 294) who, commenting on Corssen's sanguine view of the result of his medley collection of long vowels in root-syllables, suffixes and endings, points out that vowel-intensification is "after all only a name for the fact that we often meet with a long vowel, when we expect a short one." The parts of my Grammar which deal with *contraction*, *hiatus*, *change of vowel quantity*, &c., are far from being what I should like; but there is a great difficulty in arriving at any satisfactory conclusions, owing to our ignorance of the precise quality and quantity of the vowels, which were, or may be regarded as having been, the components of the long vowel or diphthong, *at the time* when the long vowel or diphthong first arose. Our knowledge of the language begins at a later period, when this process was already over, and we have therefore not facts enough for the historical method. I have little right to speak on such a matter, but I venture to think that the greatest light upon this branch of philology is now to be expected from strengthening the theoretical side of this investigation, but strengthening it not so much by the study of literature and grammar as in Sanskrit, but by a more accurate study of the physiological conditions, and by a closer contact with nature as exhibited in groups of dialects of living tongues. But the application to Latin must in any case be difficult.

In Book II. I have regarded the main division as twofold only, Nouns and Verbs. Adverbs, Prepositions, Conjunctions, have place xxiv here only as being originally parts of nouns or verbs. Numerals, as I have said before, have no right to a separate place at all: they are either adjectives or substantives or adverbs, and should be classed accordingly. (For convenience they are also given, in the ordinary arrangement, in Appendix D.) Pronouns are similarly referable to the other classes.

Understanding by a *declension* a mode of forming the cases by

a separate set of inflexions, I have made two declensions only / instead of five. The distinction of the stem is subordinate to this. At the same time it did not appear worth while to separate such forms as *illabus* from the more usual forms, and put them under the head of the second class, to which they strictly belong. Pronouns are in their main features clearly words of the first class; but, as the genitive singular is differently formed throughout, they are here kept together in a separate chapter. *Qvis* of course belongs to the second class, but here again convenience seemed to forbid its separation from *qvi*.

The ordinary separation of substantives from adjectives, and the gradually growing tendency to confine the term *noun* to substantives, seem to me, in Latin at any rate, thoroughly wrong and misleading. The difference between substantives and adjectives is almost entirely syntactical, and, even as such, not so great as is generally assumed. What slight inflexional differences there are, will be found noted (cf. §§ 352, 403). The modification of adjectives to express degree in a comparison has clearly as little right to be put in Book II., instead of Book III., as the formation of diminutives, or any other common derivatives, which the language allowed to be formed very much at pleasure from any stem, because it retained a consciousness of the meaning of the suffix. (In Appendix C I have for convenience sake treated the matter more in the ordinary way.)

The formation of participles, &c. ought no doubt to be put in Book III.; but they have so much bearing on the inquiry into the nature of the verbal stem, that I have preferred to leave them as usual in Book II. The formation of the several parts of verbs has been treated under the appropriate heads. The endeavour to form the verbs into classes by combined consideration of their present and perfect and supine stems, as is done in Vanicek's Grammar, after the analogy of Curtius' Greek Grammar, seems to me to lead to inconvenience without much compensatory advantage. Chapter xxv xxx. contains a list of so-called irregular verbs in alphabetical order, as being that which is far the most useful for ordinary reference.

I have followed the *Public Schools Primer* in putting generally the future instead of the imperfect next to the present tense.

It is very common, perhaps invariable, to prefix to Book II. a classification of the Parts of Speech. So far as this bears on

Book II. I have briefly touched it. But in the main it is of a syntactical nature, and in Book IV. it will therefore be found.

It may surprise some readers to see so imperfect an explanation of the meaning and origin of the inflexions of nouns and verbs. Where I have seen my way tolerably clearly, I have briefly stated the view which appeared most probable, but in many cases I have preferred merely to mention views entertained by others; in some cases I have stopped short at the facts, and left the origin untouched. This indeed seems to me, at any rate at present, the proper position of a Latin grammarian. What can be deduced from the facts of the historical language comes fairly within his province, but more than this can only be done by the light derived from other languages. And greater agreement among philologists is necessary before any theory of the precise origin and meaning of these inflexions can claim more than a very subordinate place in a grammar of historical Latin.

In Book III. will be found fuller lists of Latin words, arranged under their endings, than I have seen in any other grammar, except Leo Meyer's (which has too the advantage of containing lists of Greek words as well as of Latin). My lists are distinguished from his in two ways. His embrace a great many words, often without notice, which are only found in writers after the silver age; and the arrangement is more subjective and consequently less convenient than that which I have adopted. There is no doubt that almost any arrangement made on some principle brings together words which have a claim for common consideration and thereby may give rise to useful result. The ordinary arrangement, when of an etymological character, has been to class compound endings under
xxvi the first part of the suffix, not the last¹. This seems to me wrong both as matter of convenience and theory. A word is not so easy to find, because the analysis is more uncertain: and the practice contradicts the essential character of a (Latin) suffix, that

¹ Key's *Grammar* is an exception. See his tables in pp. 26, 28, 8, 39.

it is applied *at the end* of a word. Of course if we were quite certain what is suffix, what is root, either arrangement (i.e. by the first part of the suffix or by the last) would be in some sort natural. But when to the uncertainty, which in many words there is on this point, is added the fact, that though some compound suffixes are apparently used as if they were simple, and are appended at once to a root or simple stem, yet in the majority of cases the last part only of the suffix is to be regarded as truly suffixal in the feeling and apprehension of the people, the safest plan seems to be that followed in the present volume; viz. giving all the words of any importance and certainty, and arranging them under the final suffix, or that final part which, if anything, would be the suffix, or which is at least parallel to what is suffixed in other stems.

There are other principles of division which are followed in some grammars either with or without the above. One is the separation of substantives from adjectives and enumeration of the suffixes under these supreme heads. Besides the general objection to such a division, which I have spoken of before, the lists will shew, that in far the majority of instances the suffixes or endings belong to both classes, and the separation of them is cumbrous and misleading.

Another division is according to the part of speech from which the derivatives are formed. This again is liable to the same objections. Many substantives are not so different from adjectives as to render it desirable to establish any sharp distinction between their respective progenies. And though some suffixes are particularly or exclusively applied in derivatives from verbs, others in derivatives from nouns, or, subordinately, from substantives or adjectives, many have no such particular or exclusive attachment.

To treat the 'derivation of adverbs' as coordinate to the derivation of nouns and verbs, is the same as it would be to treat so the derivation of the several persons of a verb or cases of a noun. So far as an adverb is formed with derivative suffixes &c., of the same kind as adjectives, they may belong here, but most adverbs are merely cases of nouns.

Many words formed, so far as we know, directly from a root are, as I have implied (see also § 748), included in these lists. Where any tolerably certain indication of the meaning of these roots was

known to me, it has been given; but to add either Sanskrit homonyms or investigations into doubtful etymologies would have been unsuited to my plan.

I have also added to the lists a considerable number of proper names, chiefly of persons. No attempt has been made to be exhaustive in this matter, those only as a rule being given, which are either clearly intelligible and therefore instructive derivatives, or which are names of well-known or at least not merely private persons. There is however probably somewhat more vacillation in the extent to which this enumeration has been carried, than there is in the case of appellatives.

The list of derivative verbs is fuller than I have hitherto seen, though in no way exhaustive as regards stems in *a*. Still here as in nouns it brings into strong light the comparative prevalence of different classes. And this is a matter which is commonly left with little notice.

The Chapter on *Composition* deviates considerably from ordinary treatment. In the first place, the lists are tolerably complete, except in the case (1) of very common classes, e.g. words compounded with numerals or with *-fēro*, and the like; and (2) of some momentary formations found in Plautus or Petronius or the like. The result is to shew that, except with prepositions, there was no great development of Composition in Latin,—certainly nothing approaching the Greek. Secondly, I have ventured to lay down (§ 979) more broadly than is usual, at least in Latin Grammars, the principle that Composition is simply welding together in one word two words conceived as standing in ordinary syntactical relation with each other. The welding however is a welding of stems, and the changes of letters are simply in accordance with the general habits of the language and require no separate treatment. Thirdly, the form of the compound word is given by the necessity which produced it. If an adjective was wanted, an adjective was formed; if a verb, a verb; and a suitable derivative or stem suffix was appended, which might or might not be like that possessed by the simple words. No doubt much of this view is identical with the ordinary division into *composita determinativa*, *constructa*, *pos-*

*sessiva*¹; but it seems in the ordinary treatment to be regarded rather as a special and adventitious characteristic of some particular classes than as the natural result of the determining cause of all Composition. The compounds with prepositions used absolutely may however, at least with our present notions of prepositions, be a separate class.

Many will doubtless think the lists of words, derivative or compound, needlessly full. But I do not fear the charge from those who desire to study as a whole the formation of Latin words, or to ascertain the meaning or use of particular suffixes, or the laws of combination and change of the several vowels and consonants, or the etymology of particular words. I have indeed found these lists of much use in testing various etymological and phonetic theories which I have seen in other writers or which have occurred to myself. I have especially borne the possibility of this use in mind when the multitude of instances forced me to make a selection only. Indeed many of the instances inserted have been in fact the answers I have found to various doubts which occurred to me respecting the possibility or the behaviour of certain groups of sounds or of certain elements of composition. Nonconformists have a special right to a place in such a representative assembly.

The *interjections* I have tried to identify with inarticulate sounds of emotion. But a greater knowledge of phonetics and more acquaintance with the habits of peoples of southern Europe than I possess is required to do this clearly and fully.

¹ I worked the matter out for myself with the hint given by this division. But L. Tobler's book (*über die Wortzusammensetzung*, Berlin, 1868) is well worth reading.

Observations¹ on Book I.;

particularly on

Pronunciation.

xxix THE account which I have given of the several letters took its origin in the desire of finding a tolerably firm basis for forming a judgment of the real sound of each. But any inquiry of this kind presupposes some acquaintance with at least the leading divisions of articulate sound, so far as they are actually heard from the lips of Europeans and Western Asiatics. For this reason I have prefixed to the discussion of Latin sounds, a brief account of articulate sound in general, omitting, however, many of the finer distinctions, and many of the sounds (chiefly Asiatic and Slavonic) which there seems little room for supposing were known to, or at least represented by, Greeks or Romans. Etymology becomes a science only when its physiological conditions are understood and applied, and I believe no greater service could be rendered to Comparative Grammar, than the publication of a brief and clear Grammar of Phonetic, with illustrations (*a*) from misformations of sounds, such as are now heard from individuals; (*b*) from varieties of sound in living languages and dialects; and (*c*) from well-ascertained facts in the history of words. To write such a book would require, besides knowledge and caution, an acute and trained ear, as well as sensitive and flexible organs. Few possess these qualifications. I cannot pretend to any of them. At present, the only book which can be named as combining these different parts of the discussion in relation to the ancient languages is Max Müller's *Lectures*, Vol. II. But it is not nearly full enough.

¹ A few copies of these Observations and of Book I. were privately distributed in April 1871. Some verbal corrections, and one addition (p. xli.), have been since made.

Some other books which I have used are named in the note to p. 1¹. But to these must be added Alex. J. Ellis' elaborate work (not yet finished) on *Early English Pronunciation*—a work with which I did not become acquainted till after Book I. was stereotyped, and of which I have consequently made hardly any use in that book (except in the list of vowels). When I see the admirable mode in which English pronunciation is there discussed, I feel how very imperfect, nay almost perfunctory, by the side of it is any inquiry into Latin pronunciation, which has yet been made. And yet Mr Ellis' inquiry is into the pronunciation of a language, still living, and familiar, and only five or six centuries old. An inquiry into classical Latin is into a pronunciation which has not been uttered by any accredited representative within the last seventeen hundred years. Still, I persuade myself, that the pronunciation which I have given, may be taken to be one which would at least have been intelligible to Cicero or Cæsar, and which would not have differed from his own, more than the pronunciation of educated men in one part of England would differ from that heard in other parts.

I have assigned little weight to the accounts of pronunciation given by Roman grammarians, except so far as they imply the non-existence, at the time, of sounds which the letters might on some other grounds be supposed to have had. Some isolated statements made by Cicero and Quintilian are worth careful notice; but to describe sounds properly requires a large acquaintance with possible and actual sounds, and who in the ancient world had that? It is absurd to see loose statements of writers of uncertain age, but probably between A.D. 200 and 600, and often nearer the latter than the former, taken as authenticated evidence of the pronunciation of Cicero and Cæsar, and conclusions deduced from them by writers who have themselves a loose knowledge of sounds, and that derived only from books, not from close study of the human voice itself. Assuming that the Roman spelling was in the main phonetic, i.e. that it varied with the sound, (though doubtless the change in the spelling lagged behind the change of sound,) I am

¹ On the pronunciation of Greek a pamphlet by Friedrich Blass, *über die Aussprache des Griechischen* (1870), has lately come to me. It will be found well worth reading.

xxxii sure that the only safe guide is the actual history of the letters, aided by a knowledge of their possible and likely sounds.

I have thought it would be convenient if I put together here some of the facts and arguments upon which my view of the Roman pronunciation is based, instead of leaving them to be collected from the accounts of the several letters in Book I. Some points I have treated at greater length than others, because there is not that general agreement which would permit of my using more dogmatic brevity. Prof. Max Müller has recently (*Academy*, 15 Feb. 1871) thrown doubt on what he fairly states to be the conclusion almost all scholars have come to with respect to the Latin *c*. [He has since (*Academy*, 15 Dec. 1871) explained that his arguments were only intended to shew that the evidence for *cē = kē*, &c. was weaker than that for *ca = ka*, &c., and that he himself is in favour of pronouncing *c* always as *k*.] Prof. Munro has in a privately circulated pamphlet¹ replied to his arguments on this question, besides expressing his own opinion on most other points of Latin pronunciation. My own argument was written before I saw Mr Munro's remarks, but I have since taken one or two hints from them. I am glad to find my views on the pronunciation of Latin generally accord closely with those of one whose fine taste and many-sided scholarship need no commendation from me. I have mentioned candidly my difference on some points, though I am well aware how probable it is that I am wrong.

The question, What was the Roman pronunciation? is quite distinct from the question, Shall we adopt it? Prof. Müller's argument has a tendency to confuse them. I quite admit that a change in our pronunciation of Latin is inconvenient, but the inconvenience is greater in imagination than in reality, and will be soon overcome, whilst the benefit to any student of philology will be very great. With our English pronunciation of the vowels, of *j*, *v*, *c*, *g*, *r* and others, the development of the language becomes an inextricable riddle, and the student naturally gets into the fatal habit of dissociating letters from sounds. Nor can it be said that we

¹ The reply to Prof. Müller's arguments is now reprinted in *Academy*, March 15, 1871. [Mr Munro has since (Oct. 1871) published this pamphlet under the title *A few remarks on the pronunciation of Latin*, and added a *Postscript*.]

shall not be approaching to the pronunciation of continental nations. We shall approach them considerably at once, and if, as seems to me probable, they change their pronunciation eventually, we shall be coincident with them in proportion as we and they respectively have succeeded in ascertaining the truth. Nothing short of that can or ought to be the common goal and place of meeting. Argument from some supposed superiority of one sound, as sound, to another, seems to me worthless: the question is one of historical fact, not of æsthetical selection¹; and we shall do better in speaking Latin as the Romans spoke it, if we can but discover how, than in either indulging fancy or being swayed by associations, which are none the less delusive because they are habitual.

I assume throughout, until the contrary be proved, that a letter has but one sound, except so far as it is necessarily altered by its position as initial or medial or final. The phenomenon presented by most letters in English of sound and sign having but a fortuitous connexion is, I believe, nearly unique.

On υ consonant.

The following are the reasons for the pronunciation of υ consonant as Eng. w , or perhaps sometimes as French ou (in *oui*), and not as the labio-dental v .

1. The same letter was used without any distinction for the vowel and the consonant sound. There is no doubt that the vowel sound was English *oo*. 'By a slight appulse of the lips the vowel *oo* becomes the consonant w ' (Bell, p. 151). 'W is often considered to be a vowel, but is not so' (Ellis, p. 580). At the same time the Romans were quite alive to the distinction. The emperor Claudius proposed a new letter, and Quintilian thought it would have been desirable to have one. For (he says) neither *uo*, as his teachers wrote, nor *uu*, as was written in his own time, expressed the sound actually heard; which he compares to the digamma (I. 27. 26; XII. 10. 29, quoted in Book I. p. 29).

¹ If the matter were really one of taste, I should not be afraid of putting the questions: Is a sibilant or buzz a finer sound than a mute or semivowel? Are *seas* and *cheese* pleasanter sounds than *keys*, *sin* and *chin* than *kin*; or *veal* and *vain* more expressive than *weal* and *wane*?

The later grammarians, e.g. Terentianus Maurus, dwell at greater length on this difference. This makes it probable that the sound was rather **w** than French **ou**. Comp. Gell. XIX. 14 with *id.* X. 4.

2. A sound practically identical with **w** is generally considered to be the sound of **u** when following **q**. It is probable, indeed, as Mr Ellis says, that **qu** in Latin represents only a labialised guttural, not a clearly pronounced **kw**, for it never lengthened the preceding syllable: but then the nearest approach to such a labialised **k** is **kw**, certainly not **kv**. (Comp. Quint. XII. 10, § 29.)

3. The vowel **o**, when following **v** (consonant or vowel), was retained till the Augustan age and later, though after other letters it had usually changed to **u**; e.g. **servos**, later **servus**; **quom**, later (in 4th century) **quum**. Compare this fact with Bell's statement: 'When **w** is before **oo**, the combination is rather difficult from the little scope the organs have for their articulative (i.e. consonantal) action: the **w** is in consequence often omitted by careless speakers, *wool* being pronounced *ool*, *woman*, *ooman*, &c.' (Bell, p. 171). It is worth notice, that in English the pure Italian **a** was retained after **w** in several words (*water*, &c.), and in the 17th or 18th century gave way to its present usual sound of **aw** (Ellis, 187-8).

4. **u** and **v** were frequently passing into one another: compare **miluus** and **milvus**, **relicūum** and **reliqvum**; **genua** sounded as **genva**, **pituita** as **pitvita**, **tenuia** as **tenvia** (§ 92).

Again **v** is vocalised in **soluo** for **solvo**, **acuæ** (Lucr.) for **aquæ**, **siluæ** for **silvæ**, &c. (§ 94. 2). So **solvo** has **solūtus**, **volvo**, **volūtus**, just as **acuo** has **acūtus**.

5. **v** between two vowels constantly falls away, not sapped by a slow decay, but as it were melted before the eye and ear of the people. Compare **amaveram**, **amaram**; **audiveram**, **audieram**; **cavium**, **cantium**; **ævitas**, **ætās**; **juvenior**, **junior**; **reversum**, **ursum**; **providens**, **prudens**, &c. (§ 94). This phenomenon, repeatedly occurring, seems hardly explicable, except on the assumption of the **v** being a vowel, or the closest approach to a vowel.

6. **v** in Latin never (except in **nivis**, and the compounds **bi-vium**, **tri-vium**, &c.) follows short **i**. Now there is no difficulty

in pronouncing Engl. **lv**, but **lw** is very far from easy. Indeed **v** after any short vowel is not common in Latin. I have only noticed the following instances: **avis**, **avus**, **Bavius**, **bovis**, **brevis**, **cavus**, **exuviae**, **induviae**, **favus**, **fluvius**, **gravis**, **Jovis**, **juvenis**, **levis**, **ne-vis** (§ 728), **novem**, **novus**, **ovem**, **ovis**, **pluvia**, **pover** (= **puer**), **simpvium**; and the verbs **caveo**, **faveo**, **juvo**, **lavo** (also **luo**), **moveo**, **paveo**. (The syllable preceding **v** is in all accented.) The cause of this rarity is the great tendency to fusion of two vowels when only separated by a **v**. (See preceding paragraph, and comp. Schleicher, *Deutsche Sprache*, p. 159, ed. 2.)

7. Consonantal **v** is never found before a consonant (Prisc. I. 23) or final; but always before a vowel. This is quite as it would be if **v** be equal to **w**; for **w** scarcely gains any consonantal power, if indeed it be not absolutely unpronounceable¹, except before a vowel; but **v** is as pronounceable after as before a vowel. Thus **sive** (older **selve**), **neve** when they drop the final **e** become **seu**, **neu**, not **siv**, **nev**². Compare this with Italian, where (the labio-dental) **v** is frequent before a consonant in the middle of a word; e.g. **avro** (**habero**), **covrire** (**cooperire**), &c.

8. The English name of the labio-dental voiced fricative is **vee**. This name is derived from **vau**, the term applied to the digamma, with which the Latin **f**, on account of its symbol **F**, and the Latin consonantal **u**, on account of its sound, were identified (cf. Quint. XII. 10. § 29). But in classical times, at any rate, **v** consonant and **v** vowel (like **l** consonant and **l** vowel) were not distinguished either in symbol or name. Nor were they by Terentianus Maurus. Priscian (I. 20) speaks of the name **vau** being given it from its resemblance to the digamma. But had the sound of English **v** belonged to it, at the time when the other letters received their name, it would have been called **ev**. For it is the law of Roman nomenclature³ to denote vowels by their sounds, mute consonants by sound-

¹ [Mr Ellis says (*Acad.* 15 Jan. 1872), that **w** after a vowel, and without a vowel following it, *can* be pronounced after some practice.]

² Marius Victorinus (p. 2465) stands alone, I believe, in thinking that **obverto**, **obvius** should be **ovverto**, **ovvius**.

³ The names of all the letters are given in Pompei. *Comm. ad Donat.* Vol. v. p. 101, Keil. Cf. also Serg. IV. p. 478. I cannot bring myself to believe that Mr C. B. Cayley, *Philol. Soc. Trans.* for 1870,

ing a vowel after them, *be, ce, de, ge, &c.*; continuous consonants by a vowel before them (e.g. *ef, el, em, en, er, es*), probably because in this way each consonant gets its fullest and most characteristic sound (Prisc. I. 8); the explosives being chiefly distinguishable when they precede a vowel (§ 274), the continuous consonants having when final an opportunity of being prolonged at pleasure. Varro is said to have given *va* as the name and sound of the digamma. If the Romans had named their consonantal use of *u*, they would have denoted it similarly by *va* or *ve* (pronounced *wa, we*), as *w* like *h* only obtains its full sound *before* a vowel.

9. The labio-dental *f* differs from the labio-dental *v* only as *p* from *b*, *t* from *d*, *s* from *z*, *th* (in *thin*) from *th* (in *then*), &c.; i.e. the former is whispered, the latter is voiced. The Saxons and (formerly at least) Welshmen do not make this difference, or rather they sound the voiced consonants nearly as the voiceless (e.g. *pet* for *bed*); we give to each of the symbols, *s* and *th*, both the sounds. With so great similarity between *f* and *v* is it likely that the Romans, if their *v* was a labio-dental, would not have confused them or noticed the resemblance? Yet (*a*) no inscription substitutes *F* for *v* (Corssen, *Ausspr.* I. p. 136); and (*b*) the Roman writers (at any rate before the 4th century¹) seem not to have noticed this close resemblance, although (as was said before) the symbol *F* was the ordinary symbol of *f*, and was borrowed from the digamma to which the Roman *v* corresponded. Quintilian's description (XII. 10, § 29) of the Roman *f* indicates strongly its dental and voiceless character. I am inclined to think that no more is meant by his words than 'blown out between the intervals of the teeth with no sound of the voice².' In the next sentence he speaks of the 'Æolic letter which we utter in *seruum, ceruum*,' but seems in no way

pp. 5—16 (the only paper which I have ever seen on the question of the names of the letters), is right in thinking that the Latin names have not been assigned on phonetic principles. Comp. App. A. xxiii.

¹ Marius Victorinus (p. 2464) speaks of the 'cognate letters *b, f, m, p, u*,' which is of course in some sort correct on any supposition.

² Some think that a still harsher articulation than the ordinary English *f* is here meant, and no doubt this is possible enough, but, considering that Quintilian regards it as quite peculiar, some emphasis of expression is not unnatural. Even in English *f* and *v* are different enough from any other consonants.

conscious of any close similarity of it to \mathfrak{f} . Terentianus Maurus (*v.* 227) describes \mathfrak{f} quite correctly as uttered 'with a gentle breathing while the under lip is pressed against the upper teeth,'¹ and speaks of υ consonant at considerable length, but never suggests any resemblance to \mathfrak{f} .

10. The ordinary and regular mode of expressing the Latin υ in Greek is by ou^1 , and no distinction is made whether it be a vowel or consonant. On the other hand, Latin υ is never used in the transcription of a Greek word, except as a vowel, usually for o or ou (cf. § 90. ii.). xxxvi

But Latin υ consonant is sometimes expressed in Greek by α , and sometimes by β . Now o was an occasional descendant from a digamma (cf. § 91, and Curt. *Gr. Etym.* II. 145 = 500, ed. 2), and is certainly, next to ou , the nearest vowel sound to the Latin u . This use of o therefore tends to confirm the inference which may be drawn from the use of ou , viz. that Latin υ consonant was the consonantal sound nearest to the vowel u ; and that is Engl. w .

The expression of the Latin υ consonant by β is one of the main arguments upon which the theory, which makes Latin υ —English v , rests. The argument proceeds, as I understand, thus: 'Greek β either had the sound of Engl. v , or, if not, it had a sound, say b , nearer to v than to w . And it is probable that Greek β had the sound of Engl. v , for it has this sound in modern Greek. [As Greek β is constantly used to represent Latin υ , it is probable therefore that Latin υ had the sound of English v].'

Now the extent to which β was used to represent Latin υ is commonly taken to have been much greater than it really was. Nothing but an undoubting acquiescence in an accredited belief could have caused so vigilant and industrious a philologist as Corssen to treat the question in the superficial way which he has done (*Ausprache*, I. 311, ed. 2). He gives no authority for the instances in which v in proper names is represented by β , and he quotes, as instances of the same in words which are not proper names, two only from inscriptions (date not specified: they are from Lycia), three

¹ The sign \mathfrak{f} (originally a T put with its foot in the middle of the o) is not found in inscriptions or coins till the end of the second century p. Chr. (Franz, *Elem. Epigraph. Græc.* p. 246).

from Suidas, and four from Lydus. Lydus was a Byzantine, and not born before A.D. 490; Suidas is later, and indeed is often put as late as the 11th or 12th century p. Chr. Both therefore are witnesses of little weight in such a question; and when we remember that in the 4th century p. Chr. there was a frequent confusion between Latin ν and Latin β (which began as early as the 2nd century but not before¹), we see that the use by any writers later than the 4th century of a β for ν is no evidence whatever of the sound of ν in the age of Cicero or of Quintilian.

The Greek writers of most importance for this matter are Polybius (2nd cent. B.C.), Diodorus Siculus (1st cent. B.C.), Dionysius of Halicarnassus and Strabo (Augustan age), Josephus and Plutarch (latter half of 1st cent. p. Chr.), Appian (middle of 2nd cent. p. Chr.), Dio Cassius (end of 2nd or beginning of 3rd cent. p. Chr.). I have examined these attentively, though not exhaustively, and collected a large number of instances of transcription of Latin words, principally proper names. I have since examined Benseler's most painstaking dictionary of Greek proper names, and the result is in both cases the same; viz. that, except in one writer, the instances of ν consonant being represented by β are few absolutely, and very few relatively to the instances of its being represented by ν . The one exception is Plutarch, and, so far as I have noticed, most instances commonly quoted have or might have been taken from him. He has β for ν frequently, though not as often as he has ν . The same name appears with β in some of his Lives, in others with ν . Other names are always written one way.

But this matter has been so little noticed that some details may be interesting. I have looked particularly through (1) all Plutarch's lives of Romans, and that of Pyrrhus (in Sintenis' edit., Teubner series); (2) the first five books of Polybius (Hultsch's edit.), i.e. all that is preserved in a continuous narrative; and (3) Books IV.—VI. of Dionysius of Halicarnassus (in Kiessling's edit., which in these books rests on a better collation of the most important MS. than in the first three).

¹ See § 72. Corssen, *Aussprache*, I. 131 sq.; Schuchardt, I. 131; Göschen's *Pref. to Gaius*, p. xxxii. ed. Lachmann; and Naber's edit. of Fronto, *passim*. So Priscian (*Part.* 23=III. 465, Keil) makes the strange statement, that 'all words beginning with ν are written with ν , except bitumen, bilis and the compounds of bis.'

The result is as follows, the numbers being possibly not strictly accurate, but at any rate accurate enough for the present purpose¹.

(1) In Plutarch there are of names of persons (almost all Romans), or places, or peoples, 50 written with $\sigma\nu$, and 43 with β ; and the occurrences of these names are, in all, 323 with $\sigma\nu$, 180 with β . Of these **Valerius**, **Valeria**, **Valens**, **Ventidius**, **Verginius**, **Vespasianus**, **Vibius**, **Vindicius**, **Vinius**, **Vitellius**, **Volsci** occur at least 5 times each (**Valerius** and **Volsci** nearly 50 times each), and always with $\sigma\nu$; **Fulvius**, **Fulvia**, **Varro**, **Verres** occur at least 8 times each, xxxviii and always with β . Others, e.g. **Vell**, occur both with $\sigma\nu$ and β ; **Volumnius** (in Brutus) always with β , **Volumnia** (in Coriolanus) always with $\sigma\nu$; **Octavius** 16 times (chiefly in Crassus and Pompeius) with $\sigma\nu$, 30 times (chiefly in Gracchi and Marcellus) with β ; but **Octavia** (in Antony) 22 times with $\sigma\nu$, and only twice (in Marcellus) with β ; **Servilius** 9 times with $\sigma\nu$, twice with β ; **Servilla** once with $\sigma\nu$, 14 times with β . Yet other writers have $\sigma\nu$ in the names which Plutarch writes with β only. For instance, no one else (according to Benseler's *Lex.*) writes $\beta\acute{\alpha}\rho\rho\omega\nu$ (except once Dionys. Hal. I. 14) or $\beta\acute{\epsilon}\rho\rho\eta\varsigma$.

(2) In the first three books of Polybius I find 10 names, making in all 20 occurrences, all with $\sigma\nu$; not a single instance of β . In the 4th and 5th books I find no instance of either. On turning to the extracts from Polybius' lost books I find nothing in those from the 6th and 7th; but in the 8th $\sigma\nu\alpha\lambda\acute{\epsilon}\rho\iota\omicron\varsigma$ once, $\Delta\acute{\iota}\beta\iota\omicron\varsigma$ four times.

(3) In Books IV. to VI. of Dionysius I find 21 names written with $\sigma\nu$ (besides $\Lambda\nu\epsilon\nu\tau\acute{\iota}\nu\omicron\varsigma$), and the occurrences are 184, **Valerius**, **Volsci**, and **Servilius** being exceedingly frequent. There are 5 names only in which ν is represented by β ; **Nævius**, **Flavus** (written in the two best MSS. $\phi\lambda\alpha\beta\iota\omicron\varsigma$), **Servius**, **Pulvillus**, and **Elva**, the last only occurring twice, the others once.

How much of this comparative frequency of β in Plutarch is due to the author, how much to his copyists, how much to his editors, I do not know. The text of Polybius and Dionysius may,

¹ I have not included instances where neither $\sigma\nu$ nor β are used, e.g. in Plutarch, $\Phi\alpha\acute{\omega}\nu\iota\omicron\varsigma$, Νοέμβριος , $\Sigma\kappa\alpha\iota\acute{\omicron}\lambda\alpha\varsigma$: nor instances of υ after q (cf. § 90, 2); though both these speak for a light value being given to ν .

I suppose, be fairly trusted as far as the editors are concerned. And it may be noted that the most trustworthy part of the text of the most trustworthy author (Polybius) gives no instance of β .

Now in this representation of ν by β something doubtless is due to the source of the Greek writer's narrative in each case. Something also to the instinctive desire of assimilating a word to Greek forms; hence the frequent use of β before $-ιος$, e.g. $\Lambda\acute{\iota}\beta\iotaος$ (in Plutarch once only $\Lambda\acute{\iota}\omicron\nu\iotaος$), $\Phi\lambda\alpha\beta\iotaος$, $\text{'}\omicron\kappa\tau\acute{\alpha}\beta\iotaος$, $\Phi\omicron\upsilon\lambda\beta\iotaος$, &c. Something again is due to phonetic reasons. Thus while $\omicron\nu$ is (in Plutarch) initial in 34 names and medial in 16, β is initial in 17 and medial in 26. In 15 of these 26 β follows λ or ρ , and in the rest it is between vowels; which are exactly the positions in which
 xxxix a German b is pronounced like Germ. w^1 . It will be seen that the instances from Dionysius are all thus disposed of. As regards Plutarch it is perhaps not inappropriate to remark that he expressly tells us he was not a good Latin scholar (*Vit. Demosth.* 2, p. 846), and secondly, that he was a Bœotian; and the relations of the Bœotian dialect to the digamma were such as to make it possible that his native pronunciation or habits may have had something to do with this peculiarity. But all the MSS. of these authors are, I suppose, posterior by many centuries to the time of confusion of ν and b ; and this fact, while not at all impairing their testimony when they represent ν by $\omicron\nu$, is strong against its trustworthiness when writing β . For there is no apparent reason why a copyist, if he found β written, should have changed it to $\omicron\nu$, while the change of $\omicron\nu$ (for consonantal ν) into β would be in accordance with the tendencies either of pronunciation itself or of its expression. A reference to Benseler's lexicon will shew at once a number of words, written earlier with $\omicron\nu$, which in Byzantine writers received a β . Or look to the names of consuls, &c. given from various authorities side by side in the *Corpus Inscript. Latin.* I. 483 sqq., and it will be seen how persistently the *Chronicon Paschale* of the 7th century

¹ Schleicher (*Deutsche Sprache*, p. 212, ed. 2) says: ' b and g we write in accordance with the old language, but pronounce these sounds, when medial, between vowels, as w and [voiced] ch , consequently as spirants not as momentary sounds...e.g. *graben*, *sagen*, as *grāwen*, *sāchen*...The b also in the combinations lb , rb is pronounced as w ; e.g. in *gelber*, *farbe*, but not when the l and b belong to different words, e.g. *stulbein*, *harbeutel*.'

writes β where Dionysius or Diodorus or Dio has ν , and how often the ν of the Inscriptions gives place in the Latin of the 4th century to b ; e.g. *Calvus* to *Calbus*, &c.

Again, the MSS. of the New Testament, are, I believe, the earliest MSS. existing (except some papyri and the Herculaneum rolls), and the following facts may therefore be of use. The name *Silvanus* occurs four times (2 Cor. i. 19; 1 Thess. i. 1; 2 Thess. i. 1; 1 Pet. v. 12). In St Peter Vat. alone (against Sinait. Alex.) has $\Sigma\lambda\beta\alpha\nu\omicron\varsigma$. In St Paul Vat. like the rest (and Ephr. in 2 Cor., being lost in 1, 2 Thess.) has $\Sigma\lambda\omicron\nu\alpha\nu\omicron\varsigma$: two bilingual MSS. Clar. Boern. (cent. 6 and 9) with the transcripts Sang. Aug. and (once) the second hand of No. 67, are the only MSS. late or early, as Mr Hort informs me, which are known to spell the word with β . The ^{xi} Latin version of Clar. (though not of Boern.) has *Silbanus*. The solitary instance of $\Sigma\lambda\beta\alpha\nu\omicron\varsigma$ in the Vatican is probably (as Mr Hort suggests) only one of several indications of the Vatican scribe being familiar with Latin; the confusion of ν and b being common in early as well as late Latin biblical MSS.; e.g. the Codex Vercellensis of the Gospels (middle of 4th cent.; i.e. same date as the Vatican).

[Dittenberger, who has written two interesting papers on the representations of Roman names in Greek inscriptions, says on this point (*Hermes* VI. 303) ' ν is older' than β as a representative of ν 'and in republican times is found almost exclusively, whereas β 'comes most into use later, without however ever getting completely 'the upper hand; for even in Constantine's time there are inscriptions 'in which Latin ν is represented by ν .' The only instances of β which he mentions are *Βαλέριος* (Attic. 2nd cent. B.C.); *Βιβία* for *Vibia* (at Delphi); *Φουλβιος* (Naples, 71 B.C.) once, against two instances of initial and three of medial ν in the same inscription; *Λαιβιλλος* (Ephesus, not before Hadrian's time) with *Ουείβιον* and *Ουᾶρον* in same inscriptions. The name of *Varus*, he adds, is commonly *Ουῆρος*, much less frequently *Βῆρος*. On the other hand, in Italian inscriptions not uncommonly, but in those only, occurs *Σεουαστός* for *Σεβαστός*.]

What then was the value of β ? Not, I think, that of the labio-dental ν . For the only argument that is brought for this value is that it has this value in modern Greek. I do not doubt that some

Greek speakers give it this sound, but I am not disposed to admit that all those who think they hear this sound are right. The truth is there is a labial **f** and **v**, as well as a labio-dental **f** and **v**, and by those who are not familiar with the labial the sound is often taken for that of the labio-dental. Mr Ellis (p. 518) says of an eminent modern Greek, 'The letters β , ϕ seem to be naturally pronounced ' by Prof. Valetta as a labial **v** and **f**, but when he became particularly ' emphatic he made them the labio-dental **v** and **f**.' Mr Geldart (*Journ. of Philology* for 1869, II. p. 159) says, ' β is pronounced in ' Greece not like our **v** but like the German **w**, only much more ' strongly and explosively, if one may use the word. It is not ' sounded by bringing together the lower lip and the upper teeth, ' but by compressing the two lips together. So too ϕ , and the con- ' sonantal sound of **v**, are pure lip-letters, and very different in ' point of formation from **f** or **v**.' (See also Appendix A. xviii.) It is obvious that a sound like this stands in at least as close a relation to the English **w** as to the English **v**.

Here then we meet with a solution of the difficulties presented by the confusion of Latin **v** with **b**, by the occasional representation of Latin **v** by β , and by the historical substitution of the labio-dental **v** in the Romance languages for the Latin **v**. The phonetic pedigree of the Romance **v** might be at once stated as: 1. **u** vowel; 2. French **ou**, pronounced as in **out**; 3. English **w**; 4. Labial **v**; 5. Labio-dental **v**. But I do not assert that this represents an historical succession in a single line. It is very probable that the labial **v** existed dialectically in Italy (and probably in Greece) in classical times, and that this accounts for such instances of the trans-
xli scription of Latin **v** by β , as may be really the writing of Polybius, Dionysius of Halicarnassus, and others¹ (e.g. Βέσβιον ὄρος for **Vesuvius**²), and such vacillation in names of places as may be really due to the ancient authors (e.g. **Labici**, Cic. *Agr.* 2. 35; so also Greek writers generally; but **Lavici**, Liv. 2, 39; 3, 25; 4, 45). In and after

¹ Some few instances in inscriptions between the battle of Actium and the end of the 4th century p. Chr. are mentioned by Franz (*Elem. Epigraph. Græc.* p. 248). I have not the means now for further inquiry. [See above, p. xli.]

² [The Neapolitan dialect of modern Italian is characterised among other things by 'its extremely frequent interchange of **b** and **v**.' (Diez, *Gram.* I. 83.)]

the 3rd century this sound encroached upon the domain of the *w* [and *b*], and rendered e.g. *verba* indistinguishable from *berba*. But because the Greek *β* may very possibly have had this sound, and may have been used for Latin *v*, it does not follow that Latin *v* had this sound, but only that in the want of an exact representative *β* came near enough to be used. I see no reason whatever for supposing that in classical times educated persons pronounced the letter *v* (*u*) (except in certain positions) otherwise than as the vowel *oo*, either with a pause after it, or running on to a succeeding vowel, (as in French *ou*,) or as English *w*. The first of these modes was the usual sound of *v* when called a vowel, the third when called a consonant. After *q* it may have been a mere sign of the labialisation of the guttural, an effect which most people would not distinguish from *w*. And possibly the same may be its purport sometimes after *g*, *l*, *r*, *s*. (See §§ 89; 94, 2, and Append. A. xx.—xxii.) With a short *i* following, *qv* made a sound which the Greeks represented by *κυ*, i.e. *κ* followed by the 12th vowel (see below). The rise of *b* out of *v* in a few cases is noted in § 76, and this was probably negotiated by a labial *v*, which perished in the transaction.

Corssen appears to think such a sound as the Engl. *w* to be too weak for *v* generally, and points to its having expelled the preceding consonant in some words. But the words in which this took place, leaving evidence in historical Latin behind it, are very few¹, *viginti* from *duo* (§ 76), *nivis* from *nigv-is*, shown by *ninguit* and *nix*, *vixi* compared with *vivo* (§ 129), possibly *reduvia* with *ungvis*. Others are evidenced only by comparison with Greek or Sanskrit stems. That these changes may have been produced by the mediation of a labial *v* is likely enough, but they seem to me to be part or remnants of the changes which constituted the separation of the Latin language from its common stock, and to prove nothing for the pronunciation of *v* in the days of Cicero and Quintilian, unless indeed *guard* (once, I suppose, pronounced *gward*) compared with *ward*, &c. shews that *w* is in English pronounced as *v*. That Corssen should also consider (*Aussprache*, I. 315) the omission of *v* in such words as *son* for *suos*, *savium* compared with *svavium*, &c.,

¹ Corssen does not mention such words as *sēvoco*, *seviri*; and they are only instances of the usual habit of *sed*, *sex*; see §§ 93, 2; 113.

or the absorption of *v* in *fautor* for *favitor*, *nuper* for *novum per*, as proofs that *v* had not a 'weak vowel sound like the English *w*,'¹ but a consonantal tone like the Germ. *w*¹, is to me very surprising. I draw the precisely opposite inference. (See above, §, p. xxxiv.)

[Mr A. J. Ellis has written in the *Academy* for 15 Jan. 1872² a very interesting paper on the letter *v*, to which I am desirous of directing my readers' attention, as containing a great deal of authentic information and the results of an almost unrivalled power of phonetic discrimination in reference to this subject. He points out that, whereas, when *oo* is followed by another vowel, English speakers naturally pronounce a *w*, other nations do not; Italian *uomo*, *uopo*, and French *ouais*, *ouate*, *ouest*, *oui* being distinguishable by an attentive hearer from English *wa(r)m*, *wa(r)p*, *way*, *wattle*, *west*, *we*. The case of *oo* before a vowel is parallel to that of *ee*. 'The initial short and stressless elements *ee*, *oo* do not occur at the commencement of diphthongs in English, as to my ears they do in Welsh³, and as they may once have done in Latin. Those nations who use short *ee*, *oo* habitually give them consonantal syllabic value.' He objects to the notion, that Latin *v* was equivalent to English *w*, mainly on the ground that it is, so far as he knows, not familiar to the lips of any European people except the English. 'The final inference would seem to be that *I*, *V* (in Latin) should be considered as vowels capable of becoming the stressless elements of diphthongs, so long as *II*, *VV* initial are not found; that after these were found (and probably some time before they crept into writing, which always lags after speech) *y* and labial *v* were employed, when *I*, *V* were the initial (not the *final*) stressless elements of diphthongs;

¹ Corssen means by the Germ. *w* the labio-dental English *v*. The south Germ. *w* is, according to Mr Ellis, the labial *v* (see App. A. xviii.). But this is not known to all Germans, though Rumpelt (*Deutsch. Gram.* I. 322—327 note) seems groping for it. See also p. 319, where he argues for the old high German *w* or *uu* having had the sound of English *w*.

² Prof. M. Müller's remarks in *Acad.* 15 Dec. 1871, and the reply of Prof. Munro in *Acad.* 1 Jan. 1872, should also be read.

³ 'In *ia*, *ie*, *io* initial, Welshmen conceive that they pronounce *ya*, *ye*, *yo*, and similarly in *wi*, *wy* they believe they say (Engl.) *we*, *wy*. This is doubtful to me, because of the difficulty all Welshmen experience at first in saying *ye*, *woo*, which they generally reduce to *e*, *oo*.' Ellis, *Engl. Pron.* p. 746 n.

‘and that later in some words, especially in provincial pronunciation, *y* passed into *dsh* (English *j*) in Gaul (subsequently French *j*) and parts of Italy, and *gh* (Spanish *j*) in Spain; that *v* either remained provincially as labial *v*, or became dentalised into labio-dental *v* as being the firmer form and corresponding to the familiar *f*. But there seems to be no time during which English *w* can be interpolated. As a matter of practical convenience, English speakers should abstain from *w* in Latin, because no continental nation can adopt a sound they cannot pronounce. As a question of date, if the spelling *vv* is used, the pronunciation of labial *v* or labio-dental *v* at pleasure may be employed, most of the Germans taking labial *v*, and the rest of the world dental *v*.’ (*Acad.* pp. 36, 39 somewhat abridged.)

I cannot say that the fact of *w* being a difficult and now rare or non-existent sound in Southern Europe is to my mind decisive against its having been the sound of Latin *v* in the time of Cicero. For that sound, whatever it was, did (as Mr Ellis agrees in thinking) historically give place to other sounds, and is not now the sound of the character *v* either in Italy or in France at least. And I can detect nothing in English inconsistent with Roman phenomena, and a great deal wonderfully identical. At the same time such a pronunciation as *ou* in French *oui* does apparently correspond equally well with the early Roman phenomena; and it has existing Southern usage in its favour as against English *w*. And I am quite content to think that a labial *v* was provincially contemporary and in the end generally superseded it. (This really differs little from what I have said before; see §§ 61, 88 and *supr.* pp. xlii. xliii.) But “as a matter of practical convenience,” I venture to give a different recommendation from Mr Ellis. I am confident that the labio-dental *v* is a very misleading pronunciation of Latin *v*, and wholly inconsistent with the Roman phenomena until some late period¹. English people will practically be very near the truth, if they pronounce *v* in Latin for some centuries after Christ as *w*. If the French pronounce it as *ou* (in *oui*), the Italians as *u* (in *uomo*), and the

¹ Comp. Prof. Munro, *Acad.* 1 Jan. 1872, p. 17: ‘Let Latin *v* be English or South-German *w*, or the French *ou* in *oui*, only not English or Romance *v*.’

Germans as labial *v*, there will probably be no greater difference than was often heard in the streets of Rome in the days of Cicero. The close resemblance of English *w* to these French and Italian sounds is shewn most strongly by the existing doubt as to whether Welsh *w* is a vowel or a consonant, and by the uncertainty of English orthoepists to which class to refer English *w* (Ellis, *Eng. Pron.* p. 185). Its close resemblance to labial *v* will not be doubted by those who hear a South German pronounce English words. If the English hearer expects a *v*, he thinks he hears a *w*; if he expects a *w*, there is difference enough to make him think he hears a *v*.]

ON F.

On the sound of *f* I have already spoken (p. xxxvi).

The facts adduced in this first book and in § 766 of the third book would be almost enough to shew that *f* was not a sound of the Indo-European original alphabet, but of a much later and more special source. The number of words, in which it occurs as initial, is not very large, but the number in which it occurs, as initial of a suffix or after a vowel, is exceedingly small—four or five only. (Of course compounds must for such a purpose be separated into their members; e.g. in *æstifer* *f* is *initial*.) A few more are named by Corssen (*Krit. Nachtr.* p. 193 sqq. *Aussprache*, I. 140 sqq. ed. 2), e.g. *Alfus*, *Orfus*, *Ufus*, *Aufidus*, but these are proper names and probably not Latin. Certainly such a rare occurrence of *f* in suffixes goes far to shew that the sound did not exist at the time when these suffixes first assumed shape and use. It may well be that *-bro* is of the same stock as *ferre to bear*, but, if so, they are collateral relatives, and *-bro* is the earlier of the two. Similarly the verbal tense-suffixes *-bam*, *-bo*, &c., the derivative noun-suffixes *-bulo*, *-billi*, *-bo*, the case-suffix *-bi* in *tibi*, *-bis* in *nobis*, *vobis*, *-bus* xlii in nouns, may very possibly have correspondents in Latin (or Umbrian or Oscan¹) beginning with *f*, but I should be inclined to

¹ Is it certain that the signs in Umbrian, Oscan, &c., for which we write *f*, had the sound which we ascribe to the Latin *f*, and not rather a labial sound? [Compare what Mr Ellis says (*Acad.* 15 Jan. 1872): 'After some recent experience I feel doubtful of all assertions respecting *f* as well as *v*. Certainly *f* is a comparatively rare sound, and labial *f* may prove more common than is generally supposed.']

regard such words with **f** as in a collateral not a parental relation to those with **b**. And thus **amavi** would not be for **ama-fui**, but it may contain a suffix from the same root as **fui**.

On C before æ, e, i, &c.

That **c** before **e** or **i** was in Latin not pronounced as either Engl. **ch**, i.e. **tsh** (so in Italian), nor as **s** (so in French and English), nor as **ts** (so in German), nor in fact noticeably different from **k**, may be inferred from the following arguments.

1. Closely connected forms exhibit perpetual alterations of the letter following **e**, without any sign of a variance in the sound of **c** when followed by **e** or **i**. Can Vergil in writing **replicatus**, instead of the usual **replicatus**, have made so great a change as hardening **s** or **sh** or **ch** into **k**? If a final **e** be omitted, could the effect have been to harden these dentals or palatals into **k**? Yet **dic**, **duc**, **sic**, **hunc** stand for **dīce**, **dūce**, **sīce**, **hunce**. **Hosce** is common, but is never abbreviated into **hosc**: that is to say, **c** is frequently added when it would, if a sibilant, be indistinguishable, it is not added, when its presence would have been audible! Can **decem** have been pronounced **dechem** or **detsem** or **desem**, and yet its derivative ordinal have been sounded **dekumus**, and then, at the same time with that, **dechimus**, &c.? **Kallius** became **Cælius**: did the **c** change its sound when the diphthong **ai** was changed into the diphthong **æ**? or did it wait until the diphthong **æ** gave place to the single vowel **e** (§ 262)? Compare **audacter** (Quint. I. 6, § 17) with **audaciter**; **difficulter** and **difficultas** with **difficile**; **capio**, **recipio**, **cepi**, **captum**, **receptum**; **cano**, **cecini**; **acer**, **acris**; **locus**, **loci**, **loco**, **loculus**, **locellus**; **lacus** with its genitives **laci** and **lacus**, and dat. pl. **lacibus** and **lacibus**; **piscis**, **pisciculus**, **piscosus**; **qverqvæ** with **qverqvæ**; **præqvo-** **quis** contracted into **præcox**, and **præcox** with its genitive **præcoci**; **fax** with its old nom. **faces**; &c. I am aware that the substitution of a guttural for a palatal (**dic** = **dik**, for **dīce** = **dīche**) may be paralleled ^{xliv} from Sanskrit *as now pronounced*, but the change of sound is marked by a change of letter, and the palatal letters are not dependent for their sound on one vowel rather than another. But in classical Latin the change supposed is not justified, so far as I know, by any

analogy. Changes of consonantal sounds are frequent, but they are rarely caused by any change of the subsequent vowel: and the change of sound is frequently shewn by a change of the spelling, e.g. in *veh-ere*, *vec-tum*, which is the nearest analogy that I know.

2. The letter *c* was used in early times in words which were afterwards spelt, some with *c*, others with *g*; and some instances of this use remain in early inscriptions (see §§ 56, 104). Whether these words were at the time pronounced with the flat guttural, or whether the sharp and flat guttural were not clearly distinguished (cf. App. A. vii.), it is not easy to say. But *k* was also in use, and is found in a few inscriptions, generally before *a*, but also before *o*, and (in one inscription regarded on this account by Mommsen as Græcising) before *e*; e.g. *kalendas*, *korano*, *dekembres*; and it was the regular abbreviation for the prænomen *Kæso* and for *kalendas* (§ 103). It is not likely that, if *c* before *e* and *i* was pronounced otherwise than before *a*, *o*, and *u*, no attempt should have been made to retain *k* for the guttural. Yet such an idea does not appear to have occurred to any of the reformers of Latin orthography—neither to Accius nor to Lucilius nor to Claudius Cæsar, in the name of each of whom (see however § 946 n.) *c* occurs before one of these supposed influential vowels. Quintilian (I. 7, § 10) speaks of the desire on the part of some grammarians to write *k* before *a*, (not before *o* and *u* also,) but his remark on this seems clearly to imply that *c* had but one sound. “*k* quidem in nullis verbis utendum puto, nisi quæ significat, etiam ut sola ponatur. Hoc eo non omisi, quod quidam eam, quotiens *a* sequatur, necessariam credunt, cum sit *c* littera quæ ad omnes vocales vim suam proferat.” ‘*k* should not in my opinion be used in any word except in those for which it can stand by itself as an abbreviation. I mention this because of the opinion of some persons that *k* must be used if the vowel *a* follow it, though *c* is a letter the sound of which is heard before all vowels.’

3. But with these facts must be considered, in order that
xlv their full force may be seen, the fact that there is no hint in any ancient writer whatever of *c* having more than one sound, since the early times mentioned in the last paragraph (Schneider, *Lat. Gr.* I. 244, 247; Corssen, *Aussprache*, I. 48). And this is the more remarkable, because there are many parts of their writings in which

such a variety of sound could hardly help being noticed, if it had existed. For instance Quintilian (I. 4, §§ 7—9) first refers to the discussion of the grammarians whether the Romans lacked some necessary letters, and then to the counter question whether some were superfluous, and speaks of **k** and **q**. In 7 § 28 he is speaking expressly of what is written one way and pronounced another, and instances this very letter **c** as used to denote **Gnæus** (cf. *infr.* § 104). Terentianus Maurus (who is generally thought to have lived at end of 3rd century p. Chr.), referring to the fact that the names of the three letters **c**, **k**, **q** contained each a different vowel (**cæ**, **kæ**, **qu**; comp. App. A. xxiii.), says expressly, as I understand him, that **k** and **q** are alike in sound and are both superfluous, because it matters not whether **c**, **k**, or **q** be used, whichever of the vowels follow (vv. 204—209)¹.

See also Diomed. pp. 423, 424, ed. Keil; Priscian Inst. I. 14. 17; pp. 12, 13, ed. Hertz; Servius, p. 422, ed. Keil; Pompeius, v. 110, ed. Keil; Max. Vict. p. 1945, Putsche; and others quoted in Schneider, *Lat. Gr.* I. p. 292 sqq.

4. **c** is invariably represented in Greek transliteration by **κ**, be the vowel that follows what it may; and **κ** is invariably represented by Latin **c**². Now Greek **κ** has never been, and is not either

¹ The lines stand thus in Lachmann's edition, but the whole passage, beginning at v. 85, should be read:

k perspicuum est littera quod vacare possit;
et **q** similis, namque eadem vis in utraque est;
quia qui locus est primitus unde exoritur **c**,
quascunque deinceps libeat jugare voces,
mutare necesse est sonitum quidem supremum,
refert nihilum, **k** prior an **q** siet an **c**.

i. e. *Whatever vowels you please to utter after forming the guttural contact for c, you must change accordingly the last part of the sound (i. e. the vowel part of the syllable cæ, cū, cœ &c.), but it matters not whether the former part (i. e. the consonant) be k or q or c.* [Marius Victorinus in the passage (I. 6) quoted by Prof. M. Müller (*Acad.* 15 Dec. 1871) had this passage of Terentianus before him. Both, I think, in the words 'supremum sonitum (sonum)' are referring, not to the opening of the organs as distinguished from the closing of them in the pronunciation of mutes, but to the names of the letters, which were symbols of the pronunciation. (See § 57). In Marius 'distento rictu' refers to the vowel **a** (in **kæ**), 'producto rictu' to the vowel **u** (in **qu**).]

² Except possibly in a few early words, the spelling of which may be accounted for from **c** being once the common sign of both the sharp and flat guttural.

xlvi palatalised or assibilated before any vowel, but is the sharp guttural mute¹.

Against this argument it may be urged that as the Latin *c* coincided in sound with *κ* before *a*, *o*, *u*, it was only natural for the Greeks to use *κ* for *c* before *e* and *i*, unless the sound before *e* or *i* was clearly different from the sound of *κ* and was readily expressible by some other Greek letter².

Now the actual sounds given to *c* before *e* or *i* in words derived from Latin are (1) Engl. *ch* (= *tsh*) by the Italians and Wallachians. (2) Engl. *th* (sharp) by the Spaniards. (3) *s* (sharp) by the other Romance peoples (and the English). (4) The Germans pronounce it in Latin words as *ts*. Further it may be argued on physiological grounds that it may have been sounded as *ky*, or Germ. *ch*, or *sh*; these being possible mediating sounds between the sharp guttural mute and the various existing sounds of Latin *c*. (See v. Raumer, *Gesam. Schriften*, pp. 40—43, 90—95; Schuchardt, I. 164; Ellis, p. 204, quoted in App. A.xxv.; Max Müller in *Academy* for Feb. 15, 1871.) Could these sounds have been represented in Greek?

The sound of *s* could easily and accurately have been expressed by Greek *σ*.

sh could be expressed by either *σ*, *σσ* or *σι* (cf. Mullach, *Gram. d. Griech. Vulgarsprache*, p. 115).

th (sharp) would be expressed far more nearly by *σ* than by *κ*. The sound of sharp *th* is now expressed in modern Greek by *θ*, but it is not clear when *θ* first obtained this sound.

ts could easily be expressed by *τσ* or *τζ* (see below). I regard this value for Latin *c*, until at least some very late period, as utterly inadmissible. No combination was so thoroughly alien to the Romans, who never tolerated a dental mute before a sibilant in the

¹ The Tzakonians say *τζε* for *καί* (see below, p. li.). Mr D. Bikelas (in the *Academy* for 15 March, 1871) says, 'in many of the Greek islands *κ* is pronounced like Italian *c* before the vowels *e*, *i*, *u*.'

² Prof. Max Müller says: 'Unless we admit that *c* in Cicero was pronounced either exactly like *ζ* or exactly like *σ*—and this nobody maintains—nothing remained to the Greeks but to use *κ* as the nearest approach to the modified *c*.' Surely this is going too far. He himself explains the fact that the Germans wrote *z* or *tz* for *c*, as proving, not that *z* or *tz* was the exact pronunciation of *c*, but that they came nearer to *c* than did the Germ. *k*, or *ch*. (*Academy*, 15 Feb. 1871, p. 146.)

same word. (**Etsi** is of course two words.) Nor did the Greeks xlvii either.

Germ. **ch** is a sound which, so far as I know, has never yet been actually proposed as a value of Latin **c** before **e** and **i**. In modern Greek **χ** expresses it exactly, but **χ** is not generally supposed to have had this sound, at any rate till late Imperial times (cf. Curtius, *Gr. Etym.* p. 371, ed. 2). It is enough for the present to wait till some spark of evidence for such a sound is produced. It can never be a formidable claimant.

Engl. **ch** = **tsh** was expressed in Greek by **τζ** by Procopius in the sixth century p. Chr. (in the word **τζουρουλόν**, now *Tchorlu*, and others in Benseler's Lexicon), and probably in the Ravenna documents of the same time, e.g. **ακτζιο**, **δονατζιονες**, for **actio**, **donationes** (Corssen, I. 65 sq.; Ellis, p. 529). So in modern Greek **τζ** is used to represent either **ts**, or **sh**, or **tsh** (Engl. **ch**) or **zh**, i.e. French **j** (Mullach, p. 115). Compare the Tzakonian dialect, Mullach, p. 94 sqq., M. Schmidt in Curtius *Studien*, III. 349. Prof. Max Muller objects to the supposition of **ζ** having been possible, 'because **ζ** was 'looked upon as a double consonant, and in the middle of a word 'would have made a preceding short vowel long.' This argument is no doubt good in reference to verse in the Augustan age: I am not sure of its being applicable to prose even then, if **ci** had really been sounded as **chi**, and I believe it has little or no weight as applied to transliteration in the 2nd or 3rd century, when yet **κ** represented **c**. (See Prof. Munro's account of an Algerian inscription in Donaldson's *Varronianus*, p. 522, ed. 3; Mullach, p. 71; Luc. Müller's 2nd Appendix to his *De re metrica*.) But is not the prosodiacal argument as good against the supposition of **ci** being = **tshi**, as it is against its being represented by **ζ**? (cf. v. Raumer, p. 40); and is there any trace whatever of a tendency, at a time when quantity was felt, to make the first syllable in e. g. **cecidī** long?

There remains one theoretical sound for **cæ**, viz. **kæ**. Here it is necessary to discriminate. It is possible I believe to articulate **kæ** at the same part of the mouth as **ka**, but neither English nor Germans nor, so far as I know, any other European people do so. **kæ** is palatal and **ka** is guttural, but the difference is imperceptible. But the real question is, had Latin **kæ** either a full **y** sound or a slight **y** sound, such as is sometimes heard in Engl. *kind*, *'card*? Mr Ellis

xlviii several times (e.g. p. 525, comp. 204) suggests that it had, but he nowhere defines the time to which he is referring, and he seems to think the distinction of **kē** and **kye** is too slight for us to rely upon its being noticed. I can only say that the distinction is one which seems to me obvious enough, far more obvious than many which I find noticed by Roman grammarians; and I cannot trust my ear or tongue to find or make any clear distinction between sounds which Ellis discriminates, viz. a palatalised **k** (as heard in the occasional pronunciation of *kind*, &c.) and a full **ky**. But be that as it may, if the distinction was not obvious, surely we need not trouble ourselves about it; if it was, then would not the Greek **κ** have been a tolerable representative? Yet no Greek gives us *κινσωρ* for *censor*, or *Κικερων* for *Cicero*.

5. Latin **c** was represented by Gothic **k**, and the early Latin words, received into High German, were all spelt with a **k**, whatever vowel followed; e.g. *Cæsar*, *Kaiser*; *carcer*, Goth. *karkara*, Germ. *kerker*. Later adoptions into German were spelt differently, e.g. *census*, Germ. *zins*; *cancelli*, Germ. *chanzella*, &c. (Prof. Max Müller accounts for this as due to the early poverty of the German alphabet, not to the identity or similarity of the sounds; and as regards Gothic, partly to this cause, partly to a (supposed) habit of taking letter for letter without regard to distinctions of sound, partly to the possibility of Ulfilas having received the words through the Greek.)

But the argument most pressed, for **c** having sometimes a different sound from **k**, is the confusion which existed between **ci** before a vowel and **ti** before a vowel. Now first, whatever force there may be in this argument, it is one which cannot justify our attributing an altered sound of **c** to **cē**, **ci**, &c. when before a consonant. Secondly, it seems tolerably clear (Corssen, I. 50—67) that many instances of the miswriting are due to the confusion not of two sounds but of two distinct suffixes **-cio**, **-tio**; and that there is no probable instance of **ti** for **ci** before at least the end of the 4th century p. Chr.; and only seven instances of **ci** for **ti** in inscriptions before the 7th century p. Chr.¹ Further, of these seven instances, three

¹ Corssen points out (II. p. 1003) that Mommsen speaks to the same purport (*Liv. Cod. Veron.* p. 175). 'Numquam in libro Vero-

(*periciæ*, *oclo*, *prudenci*) are not of early times, and are given by ^{xlix} collectors who lived at a time when the spelling *oclo* at least was usual; one (*renunciationem*) is from a notoriously bad collector: a fifth (*disposicionem*) is from a late Neapolitan inscription containing several misspelt words¹; the remaining two (*terminac[iones]*, *defenciones*) are from an inscription at Medjana in Africa of the time of Alexander Severus (222—235 p. Chr.). Even if these last be rightly copied, (which is not certain,) an inference from African spelling or pronunciation in the 3rd century to ordinary Roman spelling and pronunciation in (say) the Augustan age would be about as justifiable as an inference from the usage of words or constructions in Apuleius or Tertullian to that of Cicero or Quintilian. It is curious that the grammarian (Pompeius), whom Prof. Max Müller quotes as his authority for saying that ‘we know for certain that in the 5th century it was considered wrong ‘not to assibilate *ti* before a vowel,’ was also an African, from Mauretania, and as regards his age all that is tolerably certain is that he did not live before the 5th century, and not later than the end of the 7th century (Keil, *Gram. Lat.* v. p. 93. See also Teuffel, *Gesch. d. Röm. Litt.* p. 982). And again, another African, Commodianus, of the 3rd century, has in an acrostic the word *cum* for the initial word of the line which is to give the last letter but three of *concupiscentiæ*² (L. Müller, *De re metr.* p. 262, quoted by Corssen, II. 1003).

Thirdly, what does this confusion really prove as to the pronunciation of *ci* before a vowel, at the time, be it what it may, when the confusion existed? Prof. M. Müller says: ‘The only ‘point where these two letters (*c* and *t*) can possibly meet is the ‘assibilation. *Ti* may go as far as *tai*, but unless *ki* also went as ‘far as *tai*, the two could not have met, and no Roman whether in ‘Italy or Africa could have attempted to write *renuntiatio* by

nensi commutatas reperiens litteras *c* et *t*, quod qui ante septimum sæculum obtinuisse sibi persuadent, ne (*assuredly*) ii vehementer errant.’ [See also to the same effect Mommsen’s Preface to his edition of the Digest, p. xl.]

¹ Some of these remarks are due to Prof. Munro’s pamphlet.

² Prof. Munro tells me that this line should be read, ‘Tum pro die tuo vigila,’ in order to harmonize with the imperatives and antitheses before and after. [Haupt has independently made the same correction.]

'*renunciatio*' (*Academy*, p. 146). I reply (1) by referring to Prof. Müller's instructive Lectures, II. p. 168, where, quoting Marsh, he says, 'We are told by careful observers that the lower classes in (French) Canada habitually confound *t* and *k*, and say *mékier*, '*moikié* for *métier*, *moitié*.' Quintilian (if the MSS are correct, I. II. 5, ed. Halm) speaks of that 'fault of pronunciation by which *e* and *g* are softened into *t* and *d*' (comp. Schuchardt, III. 81, sq.). (2) I refer to an authority whom Prof. Müller will respect—Mr Ellis (quoted in App. A. xxv.), who explains distinctly how the confusion of *t* with *e* arises, and in the stage of *ky*, *ty*, *before* either is assibilated; and v. Raumer (who seems to me to have inspired M. Müller in his argument generally) says the same (*Gesam. Schriften*, p. 92). (3) I venture to go still farther, and, while fully admitting the theoretical possibility of palatalised *k* and *t* (*ky*, *ty*) having been the mediator between *ca*, *ci* and the modern assibilated pronunciations, such as *s*, *ts*, or *th*, I hesitate as to its reality. For, as Corssen says (I. 49), there is not a spark of positive evidence for it: and, if *e* once became *t*, the change of *t* to *s* is far too common a phenomenon in Latin to *necessitate* an explanation, which applies only to *t* before *i* (cf. § 191 and *infr.* p. lxii.). It must be remembered that the palatalisation of *e* into *ch*=*sh* in French is before the vowel *a*¹. (Diez, I. 249, considers here the intermediate step to have been a guttural aspirate, Germ. *ch*.)

To sum up; as there is not one particle of trustworthy evidence, before at least the fifth or sixth century, for any other pronunciation of *e* than that of the sharp guttural, except the few reminiscences of the sound of *g*, two African inscriptions, and the [doubtful text of the] African acrostic of the 3rd century with the doubtful inferences deduced from them, I am unable to see how it can be any defence of so thoroughly confusing a pronunciation of the Latin of Cicero and Quintilian, as arises from sounding *e* as *s*, that it is theoretically possible for the Romans to have made a difference in *ci* compared with *ca*, which was yet so small that no grammarian noticed it, and no writer attempted to express it.

¹ So in English the pronunciation of *e* as *ky* took place only (?) before *a*; e. g. *card*, *kind* (= *kyaind*), *sky* (= *skyai*).

On g before æ, e and i.

That g in Latin was not pronounced as English j (=dzh), and that it was always hard before all vowels, may be inferred from the following arguments. (Compare also the discussion of the sound of c before the like vowels.)

1. Closely connected forms exhibit perpetual alterations of the vowel following g, without any evidence of a desire to change g before e or i; e.g. *malignus* for *maligenus*; *gigno* for *gigeno*; *tegmen* for *tegimen*; *tignum* compared with *tigillum*, &c. Similarly *rego*, *regis*, *regit* becomes *rectum* (for *regtum*); *reg-* makes *regis*, *regi*, *regum*, *regulus*, and *rex* (for *reg-s*, *rec-s*); *ager*, *agri*; *fuga*, *fugæ*, *fugax*, *fugio*, *fugitivus*.

2. In Greek g is always represented by γ; and γ is represented by g. It is true in modern Greek γ before ε and ι is Eng. y; but it is by no means certain when γ first gained this sound. And moreover the sound of y is not that of Engl. j.

3. There is no trace to be found in the grammarians of any different sound of g before the several vowels. This is the more noticeable, because they speak of the effect of g and c, upon a preceding n, in converting the dental into the guttural nasal. But they make no allusion to any difference in the g. Yet the instances adduced contain the lingual as well as the labial vowels, e.g. *angvis*, *ingenuus*, *anceps*, *Longinus*, *angulus*, *angens*. It is no doubt not impossible that this change in the sound of n should be made before palatals such as Engl. ch and j; but we do not make it in English. I infer that the Latins had (in these cases at least, and if in these, why not in others?) c and g hard, whether e and i, or æ, o, u followed.

4. There is no evidence of g having such a sound as Engl. j before the 4th or 5th century p. Chr., according to Schuchardt; before the 5th century, according to Corssen. Diez (I. 268) infers from the Anglo-Saxon alphabet that g was the guttural flat mute up to the 7th century. The omission of g before i, in *major* for *magior*, does not appear to imply the assibilation of g. For it takes place

- iii before **v** as much as before **i**, e.g. **nivis** for **nigvis**, **malo** for **magvolo**; and **g** is too commonly omitted before consonants to make its omission before semiconsonants unnatural. There is evidence in the 4th and 5th centuries of its having the sound of Engl. **y** (=j), e.g. **magestates** for **majestates**, **βειντι** for **viginti**. Possibly this sound of **g** may have existed dialectically earlier.

On dentals; especially **ti** before a vowel.

On the pronunciation of **ti** we have a distinct statement by Isidore in the beginning of the 7th century p. Chr., viz. that before a vowel **tia** should be sounded as **zia**. And Pompeius (v. pp. 104, 286, ed. Keil) and Consentius (v. p. 395, ed. Keil) appear to say the same. But these are apparently not much, if at all, earlier witnesses; and accordingly **donationem**, **donationes**, are represented in Ravenna Greek of the 6th century by **δωναζιονεμ**, **δοναζιονες**. And since the 6th century, according to Corssen, instances occur of a similar assibilation, in which the **i** was not preserved, e.g. **constantso**, **constanzo** are written for **constantio**. Schuchardt (i. 104. 150) thinks that assibilation began as early as the 2nd century p. Chr., but did not become general till a much later period. In Umbrian and Oscan it appeared before the first Punic War, and the origin of such forms as **formonsus** is probably to be found in **formontios** (see § 813). On **di** before a vowel see § 154.

A final **d** was often pronounced as **t** (§ 150); and Quintilian's words (i. 7, § 5) imply, I think, that there was no difference in the pronunciation of **ad** and **at**, though the difference in spelling appears to have continued long. But **d** is rarely final (§ 155), and Velius Longus (beginning of 2nd cent. p. Chr.) speaks of **apud** and **sed** being pronounced with **d** (p. 2231, Putsche).

Mr Munro calls attention to the fact that the continental **t** (and therefore of course **d**) is more dental than with us. Mr Ellis (*Phil. Soc. Trans.* 1867, *Suppl.* p. 12) describes the European dental as formed by pressing the tongue against the teeth, whereas in English the tongue scarcely reaches the gums. (See however *Eng. Pron.* p. 477, n.) But I do not think this can affect the question of the

interchange of **d** and **t**. That interchange depended on the tendency ^{liii} to drop the sound of the voice at the end of the word, as the Germans do now, e.g. *unt* for *und* (Brücke, pp. 38. 46. See also below, App. A. vii.).

On **bs**, **x**, **bt**, &c.

That **bs** is = **ps**, not **bz**, follows from the general law of Latin, that the former of two consonants is made conformable to the latter, and from the fact that **s** was the sharp hiss. Some instances are found of **araps**, **urps**, **pleps** (Neue, I. p. 137). Compare also **scribo**, **scripsi**, **scriptum** (cf. § 78). Plutarch writes *ἱερὸν ὀψεκουέντης* for *templum obsequentis* (*Fort. Rom.* 10).

Similarly **x** is for **ks**, not **gz**. Compare **rego**, **rexī**, **rectum**. **Reg-si** first becomes **rec-si**, then is written **rexī**.

So also **obtulit** was pronounced **optulit**: **optimus** is for **ob-timus**, (see Quint. I. 7. 7). And usually with the prepositions in composition, we shall be justified in thinking that, even where MSS. and inscriptions vary much in their spelling, the assimilation, entire or partial, was expressed in pronouncing; the spelling, as is natural, oscillating between the claims of etymology and sound; e.g. **apparere**, **adparere**; **imperium**, **inperium**, &c.

On **n** before gutturals; **gn**.

The pronunciation of **n** as **ng** before a guttural (**c**, **g**, **qu**) is clear from Nigidius Figulus, *ap. Gell.* XIX. 14. 7. No mention is made of the absorption of the **g**. And in the Greek to which it is compared the **γ** is written twice, *ἄγγελος*.

Gn is (or was) in Germany, I believe, pronounced like **ng + n**, i. e. **dignus** is sounded **ding-nus**. In Italian and French it is like **ny** in **din-yus**. There appears to be no allusion to such pronunciations in any of the Latin writers, although they frequently discuss **ng**. This seems decisive against the above-named pronunciations of **gn**, at least in the absence of any other evidence for them. (See Schneider, *Lat. Gr.* I. 272; Corssen, II. 262, ed. 2; and below, p. lxxx.)

On *s*.

liv Corssen maintains (*Ausspr.* I. 294) that *s* had in Latin three sounds:

(1) Sharp (i.e. a hiss) as initial, and medial before and after other consonants, except *n*.

(2) Soft (i.e. flat = Engl. *z*) between two vowels, as *row* in the Romance tongues, and after *n*.

(3) Dull and faint at the end of words.

Of the sound of *s* as *s* sharp there is the strongest possible proof. For (*a*) it maintains its place before sharp consonants in *st*, *sp*, *sq*, *sc*, and it does not maintain its place before flat consonants, e.g. *d*, *m*, *n*, *l*, *r* (§ 193. 2). And (*b*) it changed a flat consonant preceding it to a sharp. It may be said that *consul*, *mons*, *ars* show flat consonants preceding. But *consul* was abbreviated *cos*, which shows the evanescence of the *n*. *Mons*, *ars* (from stems *monti-*, *arti-*) are instances of the refusal of the Romans, when sacrificing something, to sacrifice all. The *ti* had already gone: it was necessary at least to write *n* and *r* to preserve the individuality of the words. But the pronunciation is a different thing. I conjecture that both *n* and *r* were in these cases *whispered*, not voiced (cf. App. A. viii.—x.). This necessity made the Romans unwilling to permit the retention of *n* and *r*, when there was no further reason. A whispered *r* exists in Icelandic (written *hr*, Ellis, p. 544). A similar whispered *r* may be presumed in words like *prorsum*, *sursum*, which became *prosum*, *susum*, by *r* assimilating to *s*. But that *r* as a general rule was voiced, appears clearly from its pathology and influence.

The third sound, attributed by Corssen to *s*, is inferred from the frequent omission of *s* in writing, and from its non-pronunciation in early verse (§ 193. 5). I do not know what precise sound Corssen means to give it, nor what it could have, different from *s* or *z*, but, this difficulty over, I have nothing to object.

But the second sound seems to me very doubtful. I cannot estimate properly the value of the argument from the Romance languages¹. Their list of sounds is not so closely accordant with that

¹ Mr Payne (*Phil. Soc. Trans.* 1868—9, p. 419) doubts the *s* between two vowels having a *z* sound in French in the 13th or 14th centuries.

attributed either by Corssen or myself to the Romans, as to render it necessary to suppose any identity of pronunciation in this case. In Italian particularly *s* has a very different character from what it had in Latin. Witness the combinations *sb*, *sm*, *sg*, *sd*, *sn*, *sl*, *sr*, &c. There remain three other arguments which appear to me, if they prove anything, to prove that *s* written was *s* sharp.

(1) The fact that *r* supplanted *s* in many words is justly adduced (p. 280) as a proof that *s* was in these words pronounced like *z*. But why this should prove that *s* was pronounced as *z* in other words, in which this change did not take place, is far from clear. I draw exactly the opposite inference. If *s* had in these words been pronounced like *z*, it would have passed to *r* as in other words. This rhotacism swept over the language like an epidemic, and seized those instances of *s* as its victims which were predisposed to it by the sound; and it is surely most probable that it seized all such. Reason for discrimination I see none.

(2) Another argument (p. 281) is that an *s* between two vowels, which in some forms was changed to *r*, in other forms of the same stem was omitted. I cannot see what this proves, except that the flat *s* which changed to *r* was sometimes omitted. But the question is, what was the sound of an *s* which was not omitted, and which did not change to *r*?

(3) The last argument brought by Corssen (p. 284) is that *s* after *n* was pronounced, in certain words at least, as if between two vowels, the *n* being omitted, and, consequently, it would have the ordinary sound of *s* between two vowels, i.e. *z* (see § 168.3). On this matter I would refer to the extract from Mr Bell given in App. A. § v. It will be remembered that Cicero tells us that *ns*, *nf* lengthened the preceding vowel (§ 167). Now *s* and *f* agree in being voiceless continuous consonants. And voiceless consonants are just those 'before which *n* is so short, as scarcely to add any appreciable quantity to the syllable.' I conclude from these facts that *s* was a voiceless consonant in this case also; that the *n* was scarcely audible; but that to compensate for this, the Romans lengthened the preceding vowel, i.e. dwelt longer on the preceding vowel, to signalize the fact of the syllable being more than the vowel + *s*.

iv Greek transcriptions show that it was the *vowel*, not merely the syllable, that was lengthened.

[Mr Munro contends for *s* having had the flat sound 'in the comparatively few cases in which *s* not representing a real *ss* comes between two vowels.' He points to the fact that 'in Italian there are most suggestive exceptions to *s* being soft' (flat) 'between two vowels: in *cosa*, *riso*, etc.; and in the adjective termination -*oso* it is sounded, as' sharp *s*. 'The Italian too is strongly supported by late Greek; we find *κασσος* (*casus*), *κουρισσος* (*curiosus*), *φамωσσα* (*famossa*), *ἐξκουσσατος* (*excusatus*), *ἐξκουσσεύειν* (*excusare*) and the like. What is the meaning of this *σσ*, 'if there was no difference between the *s* of *casus* (*cassus*) and *cāsa*, 'of *rossus* (*rossus*) and *rōsa*?' (*Few Remarks*, pp. 13 and 26.) If indeed the Italian representatives of all the words enumerated in § 193. 3. c., which are not really referable to *a*, or *b* of that section, and if no other words with Latin *s* have a flat *s* between two vowels, the coincidence would be so striking as perhaps to justify Mr Munro's inference. I do not know whether this is so or not. An intimate knowledge of Italian in its whole development is requisite to enable due weight to be given to an argument from pronunciation which seems to spring over many centuries.]

Curtius has made the origin of the long vowel in the nominative case of certain classes of Greek substantives the subject of an instructive essay (as indeed all he writes is instructive), *Studien*, II. 159—175; and has put forth a theory of the pathology of these cases, which has considerable bearing on the Latin long vowel before *ns*, a fact which he naturally notices in this connexion. I am not sure that in setting out the different moments of the change from e.g. *πατέρς* to *πατήρ*, *γνώμονς* to *γνώμων*, *φέροντς* to *φέρων*, *σαφέσς* to *σαφής* (p. 169), he means to imply any chronological interval, even the smallest, between the stages of the change. But there seems to me to be an unreality about it, which makes me unable, at least without explanation, to adopt his theory. He describes the process thus: '*n, r, s* before a final *s* make the preceding vowel long; and thereby becoming weak themselves, run a risk of passing, as it were, into the preceding vowel, as is the case in the accusative plural (*μούσας*, *musas*, for *μουσανς*, *musans*). But instead of so doing, they draw the following *s* to themselves, assi-

'milate it to themselves, take, as it were, the duration of the **s**, and 'so recover their full sound of **n**, **r**, **s**.' The unreality of this lies first in speaking of **n**, **r**, **s** as going through successive stages of weakness and recovery, and secondly in the notion of assimilation itself. The fact is, I suppose, that in Greek and Latin the vocal **n** and voiceless **s** were incompatible. The Latin generally, after its wont, and the Greek in some instances (e.g. *μούσας*, *δούς*), made the former of the two give way to the latter; **n** became voiceless, and the vowel was lengthened by the involuntary dwelling upon it in consciousness of the obscuration of one of the normal sounds of the word. In Greek generally the **n** won the day, and the so-called assimilation of **ns** to **nn** is, in reality, the voice dwelling longer on the **n** and not uttering the **s** at all, the previous vowel having been, as before, prolonged in anticipation of the loss. If I may use metaphorical language, the voice may be said to lengthen the vowel just as a leaper presses the ground more firmly before a spring. The speaker is aware of a difficult combination of sounds approaching, and instinctively spreads the time required for the vowel + **n** + **s** over two of them, because he knows he cannot apportion it strictly and preserve them all.

In Latin *homons* became *homos*, and the **s** was then dropped; lvii partly perhaps, because otherwise a confusion with the acc. plur. of **o** nouns would be imminent, partly from the slight hold a final **s** had in the early language. But in by far the majority of **-on** stems (cf. §§ 449, 450) the **o** was naturally long. The stems in **-r** and **-l** (which were voiced consonants) repudiated the sharp nominative sign **s**. Stems in **-s** with a short preceding vowel and not neuter are rare. In some we have a long vowel in the nominative (e.g. *Cerēs*, *arbōs*), in others a short vowel (e.g. *venūs*, *vetūs*, *lepūs*, *cinīs*). Of stems in **-t** with short vowel, only *abies*, *aries*, *paries* lengthen it in nom. sing.

Origin of **ss**.

It passes now for a recognized and certain theory among most philologists that **ss** is in many words the result of a *progressive* assimilation (§ 31. n.). This assimilation is alleged in (a) the supine stem; and (b) in superlatives and ordinals. It is always assumed by Bopp, Curtius¹, Corssen, L. Meyer, Schleicher.

(a) Corssen, who especially has defended this theory against all comers (*Beitr.* 419, 426 sq.), holds that, e.g. **tond-tum** became **tons-tum**, and then **tons-sum**, afterwards **tonsum**; and that in such cases as **mer-sum**, **lap-sum**, &c., where there is no dental at the end of the stem, the change of **t** to **s** is due to a false analogy.

Now to this theory there are, as it seems to me, two fatal objections: (1) **tons-tum** is a perfectly stable sound, and if this form had once arisen, no further change (except perhaps to **tostum**) would have occurred; (2) there is a *whole class* of stems forming their supine in **-sum** (§ 191. 3), for which the theory utterly fails to account.

I have not a word to say against the possibility of Corssen's first step; viz. that **tond-tum** became **tons-tum**. Neither Greeks nor Romans tolerated two dental mutes coming together. It was important to show the existence of the suffix, and yet **tond-tum**, if left to the ordinary law, would have become simply **tont-tum**, and the double **t** would have been sounded like one only. The Greeks therefore softened the former of the two mutes into **s**; e.g. *ἀνντ-τός, ἀνυστός; ἀδ-τέον, ἀστέον; πειθ-θήναι, πεισθήναι*. (Curt. *Gr. Gr.* § 46. See also § 50.) The Romans also adopted this course in cases in which it was important to preserve the **t** (e.g. in **est** for **edit** (**edt**), *eats*); and where an **r** follows immediately, because an **s** immediately before an **r** is hardly pronounceable; e.g. **tond-trix** becomes **tons-trix** (not **tond-srix**, **tonsrix**); and compare **mulctrum** with **mulsum**. There is therefore nothing against, but much to favour, the first step of Corssen's theory, if dental stems only were concerned. **Tond-tum**, **mit-tum** may well have become **tons-tum**, **mis-tum**; but why should

¹ Curtius says, 'στ is in all Greek dialects one of the most favourite groups. I only know at the most of one instance of its passing into σ... The passage of **st** into **s** is in Latin as frequent, as it is strange in 'Greek.' (*Studien*, I. I, p. 241—2.)

any further change have occurred? If, as Curtius says (*Erläut. zu* § 147), 'it is a prevalent law of speech that difficult combinations of sounds are more bearable, if they have arisen from others yet more difficult, language setting limits to the change of sounds in order to make their origin more patent,' still less is it likely that, when change has secured an easy combination, a causeless further change should be made. The combination **st** is one of the commonest in the language¹; e.g. **fastus**, **festus**, § 787; **arista**, **costa**, **prætexta**, &c. § 788; **angustus**, **funestus**, &c. § 789; **astus**, **cæstus**, &c. § 800; **fustis**, **hostis**, **pestis**, &c. § 803; **agrestis**, &c. § 808; **egestas**, **potestas**, § 811; **equester**, **pedester**, &c. § 903; **post**, **ast**; **ostendo**, **abstineo**, **sustento**, &c.; **est**, **estis**; **venisti**, **audisti**, &c.; **stella**, **sturnus**, **sto**, **sterno**, **antistes**, &c. Nor, so far as I am aware, is there a single clear instance of **st** passing into **ss** or **s**². There is no necessity whatever for assuming that **os**, **ossis**, or the old form **ossu**, are formed from *ὀστέον*. The root of **os** may have had a **d** or **t**; in which case this instance would only exemplify the very same difference between the Greek and Roman method of dealing with double dentals, which we are here discussing. Corssen indeed brings forward **adgretus**, **egretus**, quoted by Festus as old forms of the past participles; **comestum** is also found in one or two places³ as well as **comesum**; and **ostensa** is found as well as **ostenta**. Now **adgretus** and **egretus** are of course, if genuine, simply instances of the preservation of the starting-point common to all theories: **comestum** is, I believe, the only instance of a perfectly

¹ Leo Meyer calls it 'a combination for which our languages (i.e. Greek and Latin) have a general and strong predilection.' (*Vergl. Gr.* I. 243.)

² Even in the later imperial times there seems little evidence of such a change. See Schuchardt, I. 145. III. 75.

³ [They are (see Neue, II. 442) Cato, *R.R.* 50, 'comesta' (but in 58 'comesæ'); Val. Max., 9, 12, Ext. 6; and the African physician (referred by Teuffel to Hadrian's time) Cælius Aurel., *Chron.* II. 1. Priscian, x. 28, 30, quotes 'comestum' from Cic. *Clu.* 62, § 173, where the oldest MS. has 'comesum.' Diomedes, pp. 363, 387, ed. Keil, condemns the formation 'comestum,' but adds a quotation from an obscure 'Didius de Sallustio, comesto patrimonio.' If this is the Declamatio in Sallust., the MSS. give **comeso**. In a passage of Varro (*Menip. Sat.* 523, ed. Bücheler) quoted by Nonius, p. 152, we have 'acinis electis et comestis.' (In Varr. *R.R.* I. 2, § 11, we have 'comesa' or 'comessa.')]]

possible way of dealing with the double dental in these forms, but may be equally well regarded as the sister, not the mother, of *comesum*: *ostenta* may be an instance of the same, but is probably to be regarded as belonging to *ten-ēre*, while *ostensa* belongs to *tend-ēre*. (On *infestus*, &c., quoted by Corssen, see my note on p. 220. On *hæsum*, *hausurus* see below, p. lxv.) It can hardly be said that there is any evidence for the change of *st* into *s* or *ss*.

My second objection to Corssen's theory is this. All the verbs which form their supine in *-sum* may be divided into three classes; the first, stems of which the final consonant is a dental mute, viz. *t*, *d*; the second, stems in which the final stem consonants are *l* or *r* preceding *g*, *l*, or *r*; the third consisting of a miscellaneous list of verbs, all of which are however characterised by the active perfect (if they have one) being in *st* (§ 705). Now this third class, not a large one (*lapsum*, *jussum*, *pressum*; *parsurus*, *mulsum* from *mulcere*; *fixum*, *fluxum*; *mansum*; *censum*, *hæsum*, *hausurus*), but containing stems ending similarly to other verbs which have *-tum*, exhibits probably the result of various laws, and the *-sum* may be partly due to a kind of attraction exercised by the perfect. At any rate no light on its origin is derivable from Corssen's theory. But the second class, which is quite as numerous, is pervaded by a law: *all* words of the character named have the supine in *-sum*. And yet this is utterly alien from Corssen's theory. No one will suppose that *sparg-tum*, *mulg-tum*, *fall-tum*, *curr-tum* became *spar-sum*, *mul-sum*, *fal-sum*, *cur-sum* by passing through the stage of *spar-s-tum*, *mul-s-tum*, *fal-s-tum*, *cur-s-tum*. (*Torreo* with stem *tors-* made *torstum*, then *tostum*, and there stayed.)

Two other grounds for hesitation in accepting Corssen's theory may be mentioned. (1) It supposes a *progressive* assimilation, whereas this is very rare indeed in Latin¹. But I admit that it is possible. Its probability however is very small. Moreover (2),
 lx the fact should be noticed that stems ending in *s* originally do not follow the change prescribed by Corssen; e.g. *ges-tum* does not become *ges-sum*. But there are three verbs in which such a change

¹ It is rare in other cognate languages too, if I may judge from Schleicher's *Compendium*. (For the definition of *progressive* and *regressive* assimilation see note to page 12. Kühner (*Ausf. Gr. Gr.* § 64, Vol. I. p. 209, ed. 2) reverses the usual application of these terms).

appears to be found; **censeo**, **haurio**, **hæreo**. Now **censeo** is originally a **t**- stem (comp. *κεντέω*), and is perhaps a secondary derivative from **census**, which would in that case be the participle of a lost consonant verb. **Hausurus** is quite anomalous. I find it only in Verg. *A.* IV. 383, and an imitation in Stat. *A.* I. 667, twice in Silius, and possibly once in Seneca (see p. 247). **Hausturus** (Cic.) and **haustus** show the regular supine stem. **Hæreo** is, I suspect, an **r** stem (comp. *αῖρέω*, though **h** in Latin does not usually *correspond* to an aspirate in Greek), and owes its supine stem (**hæsurus**, **hæsito**) to the long penult (comp. *curro*, *verro*).

[Mr Nettleship (*Academy* 1 March 1872) brings, against my theory and in favour of a progressive assimilation of **st** into **ss**, the words **jussus** (for **justus**) from **jus**; **assus**, **assura** apparently participial formations (**as-tus**, **as-tura**) from a stem **as-** which in **ārēre**, **aridus** follows the ordinary law; **pustula** with another form **pusula** (or **pussula**?) which had it been formed from stem **pus** + **ulo** would have been **purula**. Now **jussus** is from a stem **jou-**, as I believe, §§ 76. 2; 705, though why it has **jussus** and not **jutus** I cannot explain. Possibly the desire to avoid comparison with the participle of **juvare** may have had something to do with it: (see also p. lxiv). **Assus**, **assura** I take from a root **ār-** and parallel them to **hær-**, **hæsum**. **Pustula**, in texts accessible to me, I find only in Cels. 2. 1; 3, 22, ed. Daremberg; Sen. *Ep.* 72. § 75, ed. Haase; Mart. 8. 51. 6; 11, 98, 4. ed. Schneidewin; Vitruv. 7, 2. § 9 ed. Rose. Also **pustulatum** Suet. *Ner.* 44, ed. Roth.; Mart. 7, 86. On the other hand I find **pusula** in Cels. v. 26. § 31, 28. §§ 6, 10, 15 (eleven times), 16, 17; Sen. *Ir.* 3. 43; Pliny (ed. Detlefsen) xx. § 44; and at least eleven other places, besides xxxvii. §§ 77, 98, ed. Jan.; in Martial. 14, 167; Colum. VII. 5. § 15; Paul. ap. Fest. p. 99, s.v. Hetta, ed. Müller; and **pussula** in Tibull. 2. 3. 10, ed. L. Müller q. v. p. xxii.; also **pusulatum** Dig. 19. 2. 31; **pusulosum** Cels. 5. 26. 31; Colum. 7. 5. 17. I believe **pusula** to be the earlier form of the two, and to be from the Greek *φῦσα*, *φυσαλλίς*. **Pustula**, if not due to copyists, is probably formed from the Latin **pus**.]

The theory which I oppose to Corssen's is, taking the dental stems as instances, that **tt**, **dt** became first **ts**, **ds**, and then **ss** or **s**. This theory fulfils the really necessary conditions of truth as completely as Corssen's fails. For the first step is equally applicable to all stems, inasmuch as it supposes the suffix only to be primarily

affected: the second step is inevitable if the first be admitted. **ts**, **ds** are utterly unstable (in Latin), and must become entirely sibilant.

The only objection which I can see to this theory is that the phonetic cause of the change of **dt**, **tt**, **lgt**, **bt**, &c. into **ds**, **ts**, **lgs**, **ps**, &c. is not apparent. But neither is the phonetic cause of the change of **dt** to **st**. Possibly a good phonetician, like Mr M. Bell or Mr Ellis, may find a reason for the change where others cannot. I content myself with referring to the fact that in Greek **τ** before **ι** frequently changed to **σ** (e.g. *φησί*, Dor. *φατί*), *φάσις* by the side of *φάτις*; *εἴκοσι*, Dor. *εἴκοτι*; *ἀναισθησία* from *ἀναίσθητος* (Schleicher, *Vergl. Gr.* § 148; Curtius, *Gr. Gr.* § 60); and sometimes before **υ**; e.g. *σύ*, Dor. *τύ*, Lat. *tu* (but also *σοῦ*, *σοί*); and to the word *ipse*, which is generally taken to be for *ip-te*; *noxa* for *noc-ta*; *capsa*, *a box*, from *capere*; &c. (See App. A. xxvi.)

A double **t** is found in a few words; e.g. *Attius*, *blatta*, *cette*, *Cotta*, *cottidie*, *quattuor*, *gutta*, *matta*, *sagitta*, *vitta*, *futillis*, *littera*, *Mettius*, *mitto*, and, it may be, some others. The question is perhaps one rather of spelling than of pronouncing. But, considering the frequency of suffixes commencing with **t**, the paucity of words with double **t** is striking. As I hold, the Romans had two ways of avoid-
 lxi ing it; they changed **tt** either into **ts** or into **st**. The first produced an unstable combination, and therefore passed on into **ss** or **s**. This was the course usually adopted. The second produced a stable combination, but was (in Latin) used only where the first would occasion further difficulties of pronunciation. (Comp. §§ 151. 2; 152. 3.)

(b) The double **s** in the superlative form of most adjectives is also supposed by Corssen (see esp. *Ausspr.* II. 550 sqq. 1022, ed. 2) and many philologists to have arisen out of **st**. The superlative is formed from the comparative stem in **ios**, by adding, as is supposed, **tūmus** (or **tīmus**), and compressing **ios** to **is**, as in *magis* for *mag-ios* (*Ausspr.* II. 215). My objection to this is the same as in the former case, the extreme improbability of a stable combination like **st** changing to **ss**. Corssen states that his theory of this change rests principally on his explanation of the two words *sinistimus*, *sollis-timus*, as being superlatives. But, even granting that these are superlatives, such a fact would only show that a superlative *might*, not that it *must*, be so formed. Here again, as I conceive, the Latins had two modes of forming the superlative; either by a suffix **-tūmo**, or by a compound suffix **-tūmo**. It is agreed that some superlatives are

formed by the simple addition of a suffix (without a dental) **-mo** or **-ūmo** to the positive or comparative stem (see § 754; Corssen, I. 780); e.g. **primus, minimus, plurimus, &c.** I think that the easiest way of explaining the formation of the ordinary superlative is by adding the same suffix **-ūmo** to the comparative, and regarding the double **s** as accentual and phonetic only, i.e. as representing the length of the syllable and the sharp sound of the **s**. It is possible to explain the superlative of words in **l** or **r**, as having the same suffix, but attached to the stem of the *positive*, and to give a similar explanation of the double **l** or **r**. But the suffix may have been appended to the *comparative*, and then a strong contraction have taken place, **facilios-imus, facillsumus, facilissimus, facillimus**. This presumes indeed a progressive assimilation. But **l** and **r** seem to me the only sounds in Latin which show signs of such an influence; comp. **velle** for **volere**, **turris** by the side of **τύρρις** (Corssen, *Beitr.* p. 402), and the evident incompatibility of **l** and **r** with a final **s**; e.g. **consul** for **consuls**, **pater** for **paters**. Corssen considers **miserrimus** to be for **miserissimus**, and that for **misertissimus**; 'for **t** after **r** and **l** is frequently changed to **s**' (*Ausspr.* II. 552); but with this I cannot agree. I do not remember any instance of **lxii** **t** after a *simple* **r** or **l**, preceded by a short vowel, becoming **s**. The instances are after **rr**, **ll**, and **haurio, hæreo**; on which see above, p. lxv.

Corssen accounts for the **s** in ordinal numbers on a similar hypothesis to that which he applies to the superlative forms; e.g. **vigesimus** for **vigenstimus**, for **vigentitimus**. As in the case of the supine form I suppose **nt-t** to have become **nt-s**, and then necessarily **ns-s**, and easily **ns** or **s** only. (Cf. §§ 757. c. 168. 3.)

Besides the above-named classes of formations we find **ss** also (*c*) in the old futures; e.g. **prohibessit, levassit**; (*d*) in **arcesso, capesso, &c.**; (*e*) in **verrucossus, &c.**; (*f*) in **essem, amavissem, amavisse, &c.**; (*g*) in **assis, bessis, tressis, &c.**; (*b*) to represent Greek ζ.

The cases of double **s** in **prohibessit, &c.** are explained in § 622; and here I have the authority of Corssen in supposing the double **s** to be due to accentual considerations (*Ausspr.* II. 563, ed. 2). For **arcesso, &c.** see § 625; for **verrucossus**, §§ 168. 3. 813. **Essem, &c.** are, I imagine, cases of a natural union of **s** with a suffix beginning

with **s**, §§ 609, 610. **Assis** is of uncertain origin, unless it be a masculine formation from the same stem as **ses**, but retaining its **s** and therefore defending it with a double **s**.

The double **s** used to represent the Greek ζ, at least in early times (§ 189), was perhaps really from the Dorian σσ. Whether this **ss** represented the sound of **s** or **sh** (which Curtius once attributed to σσ) is not, as it seems to me, certain. **Sh** appears to my tongue and ears a more natural result of **ky**, **ty**, which are regarded as the origin of σσ in Greek, than **s** (Curt. *Gr. Gr.* § 57). But see above, pp. liii, liv.

It appears to be generally conceded that the sound of **sh** was not unknown in Italy. According to Mommsen the Etruscans had it (*Unter-Ital. Dial.* p. 6); the Greek alphabet of Cære had it (p. 15); the Umbrian had it (p. 22); perhaps also the Sabellian (p. 24) and Oscan (p. 26). Moreover, of the Romance languages Portuguese and French have this sound (written **ch**), and Ital. and Wallach. **c** before **i** and **e**, and Spanish and Provençal **ch** are sounded as (English **ch**; i. e. as) **tsh**. (See Diez, *Gram.* Vol. I.)

lxiii On the assumption made in the above explanations that **ss** may stand merely for **s**, or at least for **s** when some letters or syllables have been extruded, I will only observe that the fact that the early Romans wrote no double letters (§ 58) seems to me a very important one. For, when first the Romans took to writing them double, what clue did they follow? It is possible that they followed the pronunciation, as an Italian now makes a difference between such sounds as **āto** and **atto**—a difference which Englishmen do not make. (Comp. also Ellis, *Early Engl. Pron.* p. 56.) I am not sure whether Quintilian's language (quoted in note to p. 58) should be taken to imply a real difference in pronunciation, though the word **dixerunt** looks like it¹. But, when the practice of writing double

¹ Mr Munro (in his note on Lucr. III. 545) quotes Servius on *Æn.* I. 616: '*applicat*: secundum præsentem usum per *d* prima syllaba scribitur: secundum antiquam orthographiam, quæ præpositionum ultimam litteram in vicinam mutabat, per *p*: secundum vero euphoniā per *a* tantum;' and adds, 'i. e. only one *p* was sounded. In this, as in so many other points, it is clear that the artificial modern Italian pronunciation is directly contrary to that of the old Latins, with whom **causa** and **caussa**, **excisus** and **exscissus**, were identical in sound.' In his note, Lucr. III. 504, he points out the striking instances of **mamma**,

letters came in, it is surely very probable that they were guided, at least to some extent, by etymological theories; and thus, though I regard the supposition that *levasso* arose by *assimilation* from *levaviso* as unsound, I think it by no means unlikely that the notion of a syllable being dropt justified to the popular apprehension the spelling *levasso*¹.

On the vowels, especially o and e.

The exact determination of the quality of the vowels is a problem which scarcely admits of satisfactory solution. Descriptions of vowel sounds are worth very little, and the ancients had no full list of customary or possible vowels, derived, either from observation of provincial pronunciations, or from analysis of vowel sound, so as to assign to any particular vowel its nearest representative. Still less had they any such definitions of vowels as Mr Bell's system affords, and his *Visible Speech* exhibits. It is quite possible that the same letter did not always represent the same quality of vowel; indeed, when we see one letter supplanted eventually by another, we may be sure (as I have said before) that the sound had been already supplanted, before the letter was changed. lxiv

But there seems no ground for doubting that *a*, *u*, *i* were what they are now in Italian, the distinction between the Germ. *a* and Ital. *a* being relatively unimportant. *o* and *e* are intermediate vowels, *o* being somewhere between *a* and *u*, *e* somewhere between *a* and *i*. Modern Italian which, as the local representative of Latin, has perhaps the right to maintain its identity, until a reason for inferring a difference is brought forward, has two sounds of each of these vowels. They will be found included in the list on p. 9, the close sounds being further from *a* and nearer respectively to *i* and *u* than the open sounds. Illustrations of the present use of these sounds in connection with their Latin original are given in Diez,

māmilla; *offa*, *ōfella*; *tintīno*, *tintinnabulum*; *Porsenna*, *Porsēna*; *Catillus*, *Catīlus*; and perhaps *currus*, *cūrulis*; *quattuor*, *quāter*; *littera*, *lītura*. See also on III. 1044. And comp. *ōmitto*, *ōperio*, § 784.

¹ A similar account may be given of *dissicio*, *porricio* for *dis-jicio*, *por-jicio*: cf. § 144, 3 and 143. (I doubt these being analogous to *ἄλλος* for *allos*, &c. on which see Curt. *Gr. Etym.* p. 592 sqq. ed. 2.)

Gram. Vol. I. ed. 3; (see also Schuchardt III. p. 161 sqq.). The most important facts seem to be these:

Open *e* arises (1) from short *e*, (2) from *e* before two consonants, (3) from *æ*:

close *e* arises (1) from short *i*, (2) from *i* before two consonants, (3) from long *e*; and (4) is usually heard when *e* is final.

Open *o* arises (1) from short *o*, (2) from *o* before two consonants, (3) from *au*; and (4) is heard (without exception?) when *o* is final:

close *o* arises (1) from short *u*; (2) from *u* or *y* before two consonants; (3) from long *o* in the suffixes *one*, *oso*, *ore*, *ojo* (though this last is identical with *orio* which has open *o*).

From most of these rules there are more or fewer individual exceptions, especially (perhaps in accordance with the real length or shortness of the vowel) from the rules relating to the vowel before two consonants: and both *e* and *o* have the close sound frequently, when the former of the two consonants is *n*. Moreover it appears that Italian grammarians are not always agreed as to whether a particular word has the close or open vowel¹.

lxv Two points here are noticeable. The first is that both *e* and *o* are often written in Italian where the Romans had *i* and *u*, and in this case the *e* and *o* have the close sound, i.e. a sound nearer to *i*, *u* than the open sound is. If the cultivated Latin dialect had been the parent of the Italian, we should have had here a reversal of the early tendency by which *o* became *u*, and *e* became *i* (§§ 196, 213, 234). But, as the Italian has sprung not from the cultivated language, but from one or more rustic provincial dialects², the explanation is simpler,—the old sounds having been preserved, if the close sounds were original, or, more probably, having advanced only half, and not the whole, distance towards *i* and *u*. In either case we gain little if any light on the question, how *o* and *e* were pronounced in the cultivated language of, say, the Augustan age.

The second point is that long *e* and (though less decisively) long

¹ I am not acquainted with Italian myself. My notion of the Italian sounds is mainly derived from Mr Ellis's book.

² [This is from Schuchardt: see also Diez, *Gram.* i. 6. Mr Munro says (*Few Remarks*, p. 29), 'I on the other hand hold it to be demonstrable that the Romano-Tuscan is the child of *cultivated* Latin 'falling to pieces, and caught up and *subdued* by German mouths.']

o in Latin generally receive in Italian the close sounds, short e and o receive the open sounds. The inference which may be drawn from this is confirmed, as Schuchardt¹ maintains, in the case of e, by the fact that æ is often miswritten for ø, and i for ē; by the language of the grammarians, who describe ø as having the sound of a diphthong (apparently æ), ē as having the sound of i; and by the same difference in quality accompanying the difference in quantity in the e of the Greeks, Kelts, Germans, English (Schuchardt, I. 461 sq.). In the case of the o sounds the miswriting is not so decisively one way. And though Marius Victorinus (p. 33, ed. Keil) says, 'O, ut e, geminum vocis sonum pro condicione temporis promit...Igitur qui correptum enuntiat, nec magno hiatu labra reserabit, et retrorsum actam linguam tenebit: longum autem productis labiis, rictu tereti, lingua antro oris pendula, sonum tragicum dabit; cujus observationis et in e litera similis pæne ratio est:' yet other grammarians (Sergius in Donat. IV. p. 520, ed. Keil; Pompeius v. p. 102, ed. Keil), probably copying from Donatus, speak of ø as being expressed at the extremity of the lips (*primis labris exprimitur*), and ø as sounding within the palate (*intra palatum sonat*), which apparently would make ø to be a sound nearer a, and ø to be nearer u. And the Greek ω² never lxvi became so completely u as η became i (Schuchardt, II. p. 146), though the Germans and English, it may be added, give to their long o a sound nearer to u, and to their short o a sound nearer to a.

It is not easy to draw with much confidence any argument from this to the pronunciation of the Romans in the classical period: For (1) Italian is (as has been already remarked) not the child of classical Latin, but of one or more unsubdued dialects, [or, if the child of cultivated Latin, has grown up under foreign influences; (see above, p. lxx)]. (2) The inference from misspellings is by no

¹ In reading Schuchardt it is well to remember that his distinction of 'clear' and 'dull' corresponds with 'open' and 'close' in the o sounds, with 'close' and 'open' in the e sounds. His use of accents in Italian words is different from Diez's (see II. p. 146 n., but also III. 213).

² Mr Ellis says (p. 523), that Prof. Valetta (Greek) pronounced Greek (o and ω) and English with a clear 7th vowel (Ital. open o), and did not seem to be aware of the 8th vowel at all.

means clear in the case of *o*, and is not very weighty in the case of *e*. For *æ* is frequently miswritten for long *e*, and *i* for short *e*; and many instances of *æ* for short *e* are probably due to mistaken etymology (e.g. *præces*, *sæcundum*, *quæstus* for *questus*). (3) The grammarians quoted (Schuchardt, III. 151, 212) are none of them earlier than the 4th century¹; and three centuries are a long interval, when delicate distinctions of sound have to be caught. (4) The analogy of other languages is proof only of what was possible, not of what was actual, still less of what was actual at a particular time. And long *e* and long *o*, even if they changed at all, may yet very well have been open *e* and open *o* in the mouths of Cicero and Quintilian. Mr Ellis's investigations into English pronunciation show a similar direction and at least as great an extent of change within the period from the 16th to the 19th century. The whole section of Mr Ellis's book (chap. III. § 6) is highly illustrative of the question, but some of his words describing the change may be quoted. 'The long vowels have altered more than the short vowels. The voice being sustained, there was more time for the vowel-sound to be considered, and hence the fancy of the speaker may have come more into play. This has generally given rise to a refining process, consisting in diminishing the lingual or the labial aperture. The lingual aperture is materially diminished in the passage from a long Italian *a* (2nd vowel) successively to Somersetshire *a* (13th vowel), to open *e* (15th vowel), to close *e* (16th vowel); and again in the passage from open *e* to Ital. *i*. The change of long open *o* (7th vowel) to long Ital. *u* (10th vowel) was a similar refinement, consisting first in the elevation of the tongue, and corresponding narrowing of the labial passage, producing long 9th vowel, and secondly in the narrowing of the pharynx. The change from open *o* to close *o* consisted simply in narrowing the pharyngeal cavity.' (Ellis, p. 232.)

This tendency of long vowels is a tendency working through long periods of time, and is not at all inconsistent with Mr Bell's assertion, 'that the tendency of all vowels is to *open* in prolongation' (*Principles*, p. 34, comp. 122). This latter physiological tend-

¹ Terentianus, quoted by Pompeius (*Keil*. v. p. 102), does not bear out the quotation, at least if the poem of Terentianus Maurus is meant.

ency accords with the following line of argument, which seems to me to furnish us with some evidence as to the quality of o and e in Latin. It has two premises; (1) the representation of Latin vowels in Greek, and of Greek vowels in Latin; (2) the components which under crasis, contraction, &c., gave rise to ω and η or α.

The details of the representation¹ will be found under that head in Book I. Chap. 9 (viz. o in §§ 208, 218, 219; e in §§ 229, 239). The facts of Greek contraction, &c., may be found in Greek Grammars (e.g. Kühner's *Ausführliche Gram.* ed. 2, §§ 50, 51. Curtius, *Gr.* §§ 36—38. Comp. also *ib.* § 42).

Now the very introduction of the new symbols ω and η probably implied a sound different in quality as well as in quantity from o and e respectively. And this is confirmed by the fact that the name of o was ov, not ω, and of e was ει, not η; in other words that, as the voice dwelt on the sound of o, it naturally uttered ov, and as it dwelt on e, it uttered ει. In the same way, when the vowels e and o were lengthened in compensation, as it is called (see below, § 273. 4), for an omitted consonant, they become ει and ov. But when ao and oa are contracted, we get ω in Attic: when ae is contracted, we get α; from ea, usually η in Attic. From these facts I infer that ω and η differed in quality from o and e by being nearer α, and not by being nearer the u and i sounds; i.e. ω and η were opener, not closer than o and e. But η was perhaps nearer to ε than ω was to o. lxviii

But Latin ð represents Greek ω, and ω represents Latin ð. Both Latin ð and Latin ũ represent Greek o; Greek o represents Latin o; and both o and ov represent Latin ũ (as well as Latin v, cf. §§ 90, 91). This seems to imply that Greek o was between Latin ð and Latin u. Again Latin ð represents Greek η, and η represents Latin ð. Latin ð represents Greek ε, and Greek ε represents both Latin ð and often Latin i. This seems to imply that ε was between Latin ð and Latin i; but perhaps, considering the sphere of ε, ε was nearer to Latin ð, than o was to Latin o. [It is

¹ *Correspondence*, i. e. Etymological representation (see p. 24, n.) is not here concerned. And to this head belong the suffixes of inflexion, e.g. *Hecuba*, Ἑκάβη.

possible that the Greek ϵ , when used apparently to represent Latin i , is really a representative of the older vowel θ (cf. §§ 234, 239) which older vowel may have remained dialectically for a long time].

In the stricter Doric oo gives ω , ao and oa give a^1 ; $\epsilon\epsilon$, $a\epsilon$ and ϵa give η . This is probably to be accounted for by supposing o and ϵ to have been opener in Doric than in Attic or Ionic, and perhaps a to have inclined more to the o sound than it did in Attic. But the language with which we compare Latin is the language of Polybius, Dionysius, Diodorus, &c., and this is an Attic dialect, though a late one.

Now, without professing to be able to assign any absolute quality to the ancient vowels, I may, if this argument be sound, express their *relative qualities* by a tabular arrangement. I take a , aw , Fr. au , u to represent four *regions* of labial vowel sound, and a , θ , $\acute{\epsilon}$, i to represent four *regions* of lingual vowel sound. Then we may arrange Attic, Doric, Latin somewhat as follows:

<i>Labial</i>	a	aw	Fr. au	u
Attic	a	ω	o, ov	
Doric	a	ω, o	$ov?$	$u?$
Latin	a	$\bar{o} \bar{o}$		u

<i>Lingual</i>	a	θ	$\acute{\epsilon}$	i
Attic	a	η	$\epsilon, \epsilon\epsilon$	i
Doric	a	$\eta \epsilon$		i
Latin	a	$\bar{\theta} \bar{\theta}$		i

It should always be borne in mind, in comparing the transcription of a word in different languages, that each can supply only
 lxix what it possesses, and therefore if the sounds are not the same (and the whole range never is the same), the representation of them can be but approximate. Hence the Latin u and the Greek o may sometimes be representative of one another. But generally Gr. o and ω go together, and ov represents Latin u . That ov should in the Roman period represent u even exactly, is no obstacle to its having earlier represented the long sound of the Greek o . This

¹ The Doric substitution of a for ω is reproduced in the Cumberland *quarter*, and Somersetshire *cord* with 2nd vowel instead of 6th; the Ionic substitution of η for a by the Somersetshire *Bath* with the 13th vowel instead of the 2nd. (Cf. Ellis, p. 67.)

change is analogous to that which has befallen η , which is now identical with long i . And both are but instances of the same law as that which we find to have prevailed in English. So ϵi (at least before consonants, § 229) was in the Roman period a long i , but earlier a long ϵ . Whether both ϵi and ou had, at first, the slight diphthongal termination which we hear in our ordinary Southern English long a ($= \epsilon i$), and δ ($= ou$), is not easy to say positively, but it looks probable enough on the mere face of it.

On the diphthongs ai, æ, oi, œ, ui.

The Latin $\æ$, the ordinary representative of the Greek ai , became eventually hardly, if at all, distinguishable from e , just as ai was confounded with ϵ . Originally it was doubtless a diphthong. And this seems to have been the case in Varro's time; for he states (*Lat. Ling.* v. § 97, Müll.) that in the country ædus was used, in the city ædus , 'with the addition of a as in many words;' (see also vii. § 96, Müll). Speaking, not writing, must be meant. Now a diphthong with so small an interval between its limiting vowel-positions easily passes into a single intermediate sound. It may be assumed that this sound, if it differed from e , lay on the side nearer a and not on the side nearer i . So that if Latin e be represented by the Italian open e , perhaps the English æ (13th vowel) may be taken (in *quality*) for æ . The sounds are quite near enough to be readily confused, and yet are in themselves distinct. A Saxon (says Mr Ellis, p. 58, 106) would pronounce the English words *bad*, *bead*, with the substitution of the Italian open e for the vowel in each. If the Latin e be represented by the English open e , we get a somewhat greater distinction (and that is desirable) between Latin æ (13th vowel) and e (15th vowel).

The sound of œ is somewhat perplexing. Mr Ellis has suggested lxx (*Trans. Phil. Soc.* 1867, Supp. p. 65, and *Early Eng. Pron.* p. 529) that Greek oi was originally ui with the first element preponderating, Latin œ was originally uo with the second element preponderating. This seems possible enough for the Greek, as o had frequently that approximation to our w , which is here presumed (see App. A. xii.). But the Latin sound is much more doubtful. It is

true that *œ* is the successor of Latin *oi* and the representative of Greek *oi*, and that both *oi* and *œ* passed frequently into *u*, e.g. *colrare*, *coerare*, *curare*; *moerus*, *murus*; *moenia*, *munia*; *poena*, *punire*, &c.; but I am not aware of any indication that Latin *o* had any such approximation to our *w*; and *œ* never alternated with *ui*. The passage of *oi* and of *œ* into *u* seems to imply that at that time the first, not the second, element, the *o*, not the *i* or *e*, was in the preponderance. In imperial times *œ* became confused with *e* and *æ*, and then the second element may have been preponderant. And this was the case also in the words which in very early times were spelt with *œ*, e.g. *loebertas*, *oloes* (cf. §§ 264, 363, 366), and afterwards were written with *i*. I am inclined to think that the diphthongal sound implied by the letters *o* and *i*, or *o* and *e*, (with their Latin sounds) is the safest conclusion, and that in the words which the ordinary language spells with *œ* (e.g. *amœnus*, *cœpi*, *moenia*, *foedus*, *Pœni*, *poena*, *obœdio*) the stress should be laid on the *o* rather than the *e*.

ui as a diphthong occurs (besides an interjection or two) only in *hulc*, *cui*. In both of these words it represents an earlier *oi*, e.g. *hoic*, *quoī*. In Quintilian's time (I. 7. § 27) *cui* and *qui* appear to have been pronounced alike. Probably the sound was French *oui*. In the dative of *-u* stems, e.g. *graduī*, the vowels would probably be pronounced separately, when both written. But a diphthongal pronunciation may have led to the omission of the *i*. On the pronunciation of *-aius*, *otus*, *-eius*, see § 138.

On a supposed sound like *ti*.

There are three cases in which it appears more or less probable that the Latins had a modified sound of a short vowel similar to that of French *u* or Germ. *u*, especially when it inclines, as it does in some parts of Germany, more to *i* than to *u*.

(1) The first case is in the combination *qui-*, which is generally represented in Greek by *κυ*, though sometimes by *κυι* or *κοι*. Cf. § 90. 2. And in some Latin words *qui-* is descended from *cu-* or *co-*; e.g. *Quirinus* from *cures*, *esquillæ* from *æsculus*, *inquillinus* from *incola*, *sterquillinium* (§ 934) from *stercus*. So *Tarquinius*

from the Etruscan *Tarhun* (Schuchardt, II. 277). The labialisation of the guttural, which is expressed by *qu*, affected the following vowel, and the result was a pronunciation like *kũ* instead of *kwi*.

(2) The second case is that of *i* after *v*, which is noticed by several of the grammarians in almost the same words. Priscian (*Part.* § 24, 25 = III. p. 465, Keil) lays down generally, that words beginning with *vi* followed by *d*, *t*, *m*, *r* or *x* appear to have the sound of the Greek *υ*, and instances *video*, *vim*, *vis*, *virgo*, *virtus*, *vitium*, *vix*, and says most people gave the same sound to *ũ*. But I see no other authority for such a statement, the only examples quoted by Diomedes, Servius, Sergius and Cledonius being *vir*, to which Velius Longus adds *virtus*, and the Appendix to Probus (IV. p. 198, Keil) adds *virgo* and *virga*. (Cf. Schuchardt, II. 219. Schneider, I. 19 sq.). I notice this because *vir* and its probable kin are almost the only words in which short *i* occurs before *r*, and some peculiarity of the sound of *i* in these words is therefore not unnatural (cf. § 184, 3).

(3) The third case is that of the vowel in the penultimate of superlatives and ordinal numbers, which was *u* in the earlier language, and *i* usually in the subsequent language. Jul. Cæsar is said to have first written *i*. The variation in spelling remained for long. Quintilian (I. 7. 21) expressly says that the sound of *i* in *optimus* was intermediate between *i* and *u*, and this view is confirmed by the later grammarians.

But on the other hand there are difficulties. (1) It may be said that, if the sound of this vowel had been that of the French *u*, the Latin *y*, which was the Greek *υ*, would have been often used to represent it. But from Schuchardt's collections (II. 224, 225), it appears that it is rarely found in this termination. Indeed it is more common in *gyla*, *sylla* (Schuchardt, II. 198, 205). Its rarity, however, may be accounted for by the natural shrinking of the Romans from writing their own words with a foreign letter. (2) The Greek transcription of these words is, so far as I am aware, uniformly by *ι*, not by *υ*. [Dittenberger (*Hermes*, VI. 296) says that in inscriptions we find earlier only *ο*, later *ου* or *ι*, never *υ*]. (3) Quintilian dwells on the beauty of two Greek sounds, *φ* and *υ*, and expressly

says the Romans have not got them (xii. 10, § 27). (4) The later grammarians, except Marius Victorinus, do not suggest the *y* sound for this vowel, though Priscian does almost in the same sentence suggest it for *i* after *v*.

I do not see much likelihood or possibility of *u* changing to *i*, without some such intermediate step. But yet it may be, that the vowel was not specifically *u* or specifically *i*, but simply an unaccented vowel in a suffix, which for a time was, under the influence of the following labial, retained at the stage of *ũ*, but afterwards was carried away by the general drift and became *i*. In this case the precise quality of the vowel need never have been very sharply defined, and the representation of it by one of the five vowel signs was approximate only. Or, indeed, the relation of the two sounds in this and in many other cases may be more analogous to the *correspondence* of sounds in different languages. *U* may have belonged to one dialect and *i* to another, and the eventual substitution of *i* may have been mainly the triumph of the second dialect. Thus Mr Ellis (p. 473, n.) speaks of the Peak in Derbyshire having two distinct pronunciations of e.g. *sheep*, and one of these is a sound which one Southerner might interpret one way and another another. Thus *sheep* might be sounded with the 16th vowel, or the 18th or the diphthong 3 to 18. We shall not be far wrong, if we print *proxumus* or *proximus* according to the best evidence we may have respecting the particular author in whose text it occurs, or the period at which each author wrote, and then pronounce accordingly either *u* or *i* lightly. But our English sound (the 3rd vowel) is, I suppose, entirely out of the question, though I expect many English speakers often utter it in these as in many other unaccented syllables.

Miscellaneous: chiefly on vowel pronunciation.

There are one or two other points respecting the pronunciation of vowels which may here be mentioned.

The length of the *vowel* should be preserved, as much before two consonants, as before one or more. In the cases of *ns*, *nf* a vowel originally short was lengthened by position (§ 167). Mr Munro

takes Priscian's statement¹ (II. 63), that the vowel before **gn** was always long, as meaning that the **gn** makes it long by nature: but I cannot agree to this. Priscian could on his principles come to no other conclusion; for he held that **gn** begun the final syllable (II. 8) and that **gn** made a preceding syllable common, i.e. allowed a short vowel to remain short (I. 11; II. 12). Hence, finding all words which ended in **gnus** had the penultimate long, he concluded the *vowel* must be long. But, I believe, **gn** did not belong to the last syllable; the **g** belonged to the penultimate². And, as in Greek such a syllable with a short vowel (e.g. *ἐγνων*) is always long by position, although at one time it was supposed that occasionally it remained short, there seems no reason for assuming in general the *vowel* to be lengthened. In *ignavus*, &c. where the **n** is omitted, the **i** may be lengthened in compensation. Many words no doubt had, or were supposed to have, a naturally long vowel, e.g. *rēgnum* from *rēg-*, *rex*, instead of from *rēg-ēre*; but *tignum*, *signum*, *magnus*, &c. (comp. *tīgillum*, *sīgillum*, *māgis*) probably have a short vowel. The Latin words *Egnatia*, *Egnatius* occur not unfrequently in Greek with *ε*. (See Benseler's *Lexicon*).

[Mr Munro has replied (*Few Remarks*, p. 26 sqq.) to these observations at length. But I am still unconvinced. I do not think Priscian or those from whom he copied were at all incapable of substituting a theoretical conclusion for an actual observation. Very much better orthoepists than he was have stated rules, which their own ear, if emancipated from prejudice, would have told them were not true, or not universally true. This particular statement may very likely not be of Priscian's own discovery, but I should require further evidence before I should think it properly attributable to a good authority four or five centuries earlier; and less time will not give us a contemporary statement. A statement like that of Cicero's about **ns** has very different weight.

But I have endeavoured to show (p. lix.) how **ns** lengthened the

¹ Priscian is, I think, unsupported in this statement.

² See § 272. The Verona palimpsest of Livy, which was probably written in the 4th cent. p. Chr., and consequently before Priscian's time, always divides words with **gn** occurring at the end of a line between the **g** and **n**, so as to give the **g** and **n** to separate syllables (Momm-
sen, *Cod. Liv. Ver.* p. 164).

preceding vowel. I do not see, why **gn**, if pronounced as hard **g** followed by the dental nasal, could have done so, any more than any other mute followed by a nasal. If Priscian's statement is true, then I should argue that probably **gn** was pronounced like **ng-n** or like **ny**, (Spanish ñ.) And this statement of Priscian has, I see, actually been brought forward by C. Brugman (in *Curtius Studien*, IV. 105—108) to prove that **gn** was **ng-n**. But against this sound of **gn** is the fact that no Roman grammarian, so far as I am aware, alludes to such a sound of **gn**, though the occasions for so doing were obvious (see p. lvii.).

I did not refer before to Mr Munro's arguments in support of his view derived from the long **I** in **signa**, **digna**, "in inscriptions of high authority not likely to err on such points," and "from **regni** and **regno** with the apex," because the long **I** is certainly sometimes misplaced, and I expect the apex is too. And it is not at all clear to my mind why one stone-cutter puts long **I** or apex, and another omits them, or on what grammatical authority the stone-cutter who did put them acted. But until we get further volumes of the Berlin edition of the Inscriptions, I deem it wise to postpone any positive opinion on this as well as on some other points.

Mr Munro has I think missed my meaning when I refer (p. lxxix. n.) to the mode in which syllables are divided in the Verona palimpsest of Livy. I endeavoured to account for Priscian's statement by his theory of syllables. And I adduced the Verona palimpsest to show that this theory was apparently not that of more ancient authorities. Rightly or wrongly, I do at present hold that a Roman did not pronounce **i-gnominia**, **i-gnota**, **co-gnatus**, **re-gnum**, **gi-gno**, but **ig-nominia**, **ig-nota**, **cog-natus**, **reg-num**, **gig-no**.

For we have to account for the Romans writing **inglorius**, **con-gredior**, but **ignotus**, **cognatus**. Now **gi** and **gr** are, and were readily pronounceable in an initial position. **Gloria** and **gradior** were so written whether in or out of composition. But **gn** is not easily so pronounced, and therefore **gnomen**, **gnatus**, became **nomen**, **natus**. Accordingly I divide **inglorius**, **con-gredior**, as **ing-glorius**, **cong-gredior**, the **ng** being a single sound, viz. the guttural nasal (see § 162). Had the Romans retained the **n** of the prepositions before **gn**, they would have felt bound to pronounce **ing-gnotus**,

cong-gnatus, but would practically have pronounced **ing-notus**, **cong-natus**. But they did not retain the **n** and write **ingnotus**, **congnatus**, but **ignotus**, **cognatus**. What is the explanation? Does this represent a pronunciation **ing-notus**, **cong-natus**, or **inyotus**, **conyatus**? Mr Munro (and I agree with him) holds that it does not. I account for it by supposing the Romans to have reduced the mass of consonants, the whole of which they were unable to pronounce, by omitting as usual (§ 31) the former **n**, that of the preposition, rather than the later and radical **n**. And then I divide the consonants according to phonetic laws, and pronounce with the ordinary sounds of the consonants **ig-notus**, **cog-natus**. That the vowel **i** may *here* be lengthened, as an **n** is omitted, I have said above is quite possible. But it is very remarkable that Cicero, only a few lines before he calls attention to the lengthening of the vowel before **ns**, **nf**, refers to this very phenomenon without giving a hint that the vowel was lengthened. His words are: 'noti' erant et 'navi,' et 'nari,' quibus cum 'in' præponi oporteret, dulcius visum est 'ignoti, ignavi, ignari' dicere, quam ut veritas postulavit (*Or.* 47). The context shews that 'dulcius' here has no distinctive reference to any peculiar pronunciation.

I see no ground for thinking that the Romans pronounced according to the etymology, and therefore neither did they (before Greek-following systematisers like Priscian gave artificial rules) divide the words in writing according to the etymology, which is all that Mommsen means in his words quoted by Mr Munro.

It is hard to believe that the **i** in **gigno** was 'long by nature.'

In reference to **Egnatius**, I will quote some of Mr Munro's remarks. 'The words **Egnatia**, **Egnatius**, are no more Latin than 'Dīōgnetus, Polýgnotus, Prōgno, Cýgnus: the town is Peucetian, 'alien to Greeks, not Latins; and Mommsen tells us that the native 'name is **Gnathia**, the genuine Latin form **Gnatia**; and certainly 'our two oldest authorities Horace and Mela know no other 'form'.]

Of course a short vowel before two consonants (unless lengthened as above) should be pronounced with its usual short quantity.

In English we are in the habit of changing, or pronouncing ob-

scurely, short vowels in unaccented syllables, e.g. in the first syllable of *appear*, *together*, &c., and in the final syllable of *mention*, *goodness*, *cabbage*, *futile*, *honour*, &c. In Latin the pronunciation may be presumed to have been, as in Italian, more distinct; and though changes of the vowels occur, we shall be safest in following the spelling, which represents, though no doubt sometimes laggardly, the pronunciation.

lxxiv The pronunciation of a final vowel before an initial vowel is somewhat uncertain. But that it was not omitted, but either lightly pronounced separately, or formed into a diphthong with the initial vowel, seems both in oratory and poetry to be the right conclusion, both from the language of Cicero (*Orat.* 13. § 77; 14. § 150 sqq.), and Quintilian (IX. 4, § 33; XI. 3. 34), and from the fact that the vowel was written, not omitted. (See Corssen, *Ausspr.* II. pp. 770—793). The chief points of usage in this matter in Latin verse are given (after Luc. Müller) in §§ 288—291. (I have there used the terms *elided* and *elision* in conformity with general usage and for brevity.)

The modern analogies are thus stated by Mr Ellis (p. 324).
 ‘In common French discourse the final *e* and many medial *e*’s
 ‘may be said to be entirely elided. . . . When singing, the French
 ‘not merely pronounce these *e*’s, but dwell upon them, and give
 ‘them long and accented notes in the music. This recognition is
 ‘absolutely necessary to the measure of the verse, which, depending
 ‘solely upon the number of the syllables in a line, and having no
 ‘relation to the position of accent, is entirely broken up and
 ‘destroyed when these syllables are omitted. And yet when they
 ‘declaim, the French omit these final *e*’s without mercy, producing
 ‘to English ears a hideous, rough, shapeless, unmusical result,
 ‘which nothing but a consciousness of the omitted syllables can
 ‘mass into rhythm.’ Again (p. 329 n.), ‘In German and French
 ‘poetry the omission of the vowel is complete and absolute. It is
 ‘not in any way slurred over, or rapidly pronounced in connection
 ‘with the following vowel, as is the case in Italian and Spanish
 ‘poetry, and even in Italian singing. The Germans, like the Greeks,
 ‘do not even write the elided vowel. The Latins wrote the elided
 ‘vowel, as the Italians do, and may therefore have touched it briefly,
 ‘as in the English custom of reading Latin verse; whereas it is
 ‘the German custom to omit such vowels altogether, even in reading

‘Latin verse. Except in a few instances as *l’*, *t’*, &c. the French do not make the elision of a final *e* before a following vowel, and in old English the vowel was written even when elided.’ Mr Ellis thinks Chaucer sounded, at least usually, his final *e*’s.

Final *m* before an initial vowel was, according to Quintilian (IX. 4. 40), sounded, though slightly: ‘Etiamsi scribitur, tamen parum exprimitur, ut *multum ille et quantum erat*, adeo ut pæne cujusdam novæ litteræ sonum reddat. Neque enim eximitur, sed lxxv obscuratur et tantum in hoc aliqua inter duas vocalis velut nota est, ne ipsæ coeant.’ Mr Ellis (*Phil. Soc. Trans.* 1867, *Suppl.* p. 20) suggests that the *m* may have simply nasalized the preceding vowel, as is the case with *m* frequently in Portuguese and French, and with *n* always in the latter language.

The omission of the *initial* vowel in *est* is mentioned in § 721. Perhaps also the same may have taken place in *istuc*, &c. (§ 375).

The chief rules of accentuation are given in Book I. Chap. XIII. I confess to entertaining some doubts as to a short syllable, when followed by an enclitic, receiving the accent, e.g. *primaque*. As the Romans would not have accented *primaque* on the penult, if it had been one word, I do not see why the *i* should have lost the accent by the addition of the enclitic. But the grammarians no doubt are against me, and I cannot pretend to any great confidence in my own judgment in matters of accentuation and quantity.

Division of words into Syllables.

The general doctrine given (in §§ 14—16, 272—274) is, I think, in fair accordance¹ with the teaching of Mr Bell and Mr Ellis. To a pamphlet of the latter I owe the first hint of

¹ But the mode of representing the pronunciation is often different from what they appear to recommend. For instance, Mr Bell (*Visible Speech*, p. 119; and comp. Ellis, p. 55 note) says *critical* is pronounced *cri-ti-cal* not *crit-ic-al*. I am quite aware that his ear is far better than mine, but I cannot think, if we are to assign the *t* to one syllable more than the other, that it would be generally felt to belong to the second syllable. However, write the division how we may, I do not mean more in what I say of Latin pronunciation of mutes than that the consonant was pronounced as much with the vowel before it as *t* is (invariably I believe) in this word *critical*. And this is not the notion which I get from the ordinary statement,

what I believe to be the truth. Their views will be found in Bell's *Visible Speech*, p. 69 sq., *Principles of Speech*, p. 87 sq.; Ellis's *Early English Pronunciation*, p. 51 sqq.

The application of this doctrine to Latin brings me at once into collision with the doctrine faithfully transmitted from Priscian (Lib. 2), and even with the same doctrine as modified by Krüger (*Lat. Gr.* §§ 32, 33) and Madvig (*Bemerkungen*, p. 17). Madvig's account of both is as follows (*Lat. Gr.* § 13): 'A consonant between two vowels belongs to the last vowel, and with this it is combined in pronunciation. Of two or more consonants the last, or, if they can begin a Latin word, the two last, belong to the following vowel, the remaining consonant or consonants to the preceding vowel (*pa-tris, fa-sola, ef-fluo, perfec-tus, emp-tus*). The double *x* is best united with the preceding vowel. In words compounded with prepositions the final consonant of the preposition is not separated from it (*ab-eo, ad-eo, præter-eo, also prod-eo, red-eo*).

'According to a generally spread custom' [this is Priscian's doctrine and is the only one which has ancient authority in its favour] words are in many books so divided, that all consonants which in Greek can begin a word, and all mutes with liquids (even though they could not begin a Greek word, e.g. *gm*), and similar combinations of two mutes (e.g. *gd* as *ct*) are drawn to the syllable following (*i-gnis, o-mnis, a-ctus, ra-ptus, Ca-dmus, i-pse, scri-psi, Le-sbos, a-gmen, Da-phne, rhy-thmus, smara-gdus*).

I assert, on the contrary, that the Roman pronunciation tended to unite a consonant with the preceding, not with the following, vowel; and I have briefly mentioned in § 273, and need not here repeat, the indisputable facts of Latin etymology and prosody, which seem to me to justify this inference. I have in § 274, p. 89, briefly noted (in some words of Mr Bell's) the probable basis of the ordinary doctrine, and will now remark on some objections which may possibly be urged to three of my four arguments.

1. It may be said that the retention of *o* after *v* (instead of allowing the change to *u*, § 93) shows a connexion with the following, not with the preceding, vowel. Unquestionably it does, and the reason is that the vowel *u* only becomes consonantal at all by its

rapid pronunciation before a following vowel. **V** (=w) is not a consonant standing independently between two vowels (as it ought to have been to invalidate my principle), but a vowel, which, if it be distinctly pronounced as such, does not necessarily affect either the preceding or subsequent sounds, but, when coming before a different vowel, naturally gains a semiconsonantal character. **W** is hardly pronounceable at the end of a syllable. See above, p. xxxiv.

2. It may be said that a change of the final sound of a word is sometimes caused by the initial sound of a *word* following; e.g. *ἀμ-πέδον* for *ἀνα πέδον*; *imprimis* for *in primis*; and that therefore such a change does not imply the union in one syllable of the consonants so affecting each other. I do not deny that sounds in different syllables may affect one another; the law of assimilation or dissimilation does undoubtedly extend over several syllables, and in some languages, I believe, prevails much more largely than it does in Latin; but when we find, as we do in Latin, such changes frequent and regular, almost invariable indeed, in the case of contiguous consonants, and very rare, in the case of separated consonants, it seems to me difficult to suppose that these contiguous consonants were separated in speech. And such instances of the influence of initial sounds of a word on the terminal sound of a preceding word rather show that the two words run into one another in pronunciation. This is confirmed (*a*) by the express statement of the Latin grammarians, that prepositions with a case had no separate accent (§ 299): (*b*) by their being constantly written as one word in inscriptions (Corssen, *Aussprache*, II. 863—872); (*c*) by the change of vowel in (for instance) *illico* for *in loco* (Ib. p. 869).

3. It may be said that the prosodiocal law, of a syllable being long if its vowel has two consonants after it, applies just as much when these two consonants are in different words, as when they are in the same word as the vowel; and therefore, if the lengthening of the syllable proves that the consonants are in the same syllable, it proves also that the initial consonant of a word must be regarded as in the same syllable as the end of a preceding word. This is so, no doubt, but how else is the fact to be accounted for? The Romans did not arbitrarily invent the laws of prosody: these laws

must in substance rest on sounds actually heard. Part of the solution of the apparently strange confusion of word with word is, I think, to be found in the fact that words were not divided in writing, and that consequently a law strictly applicable to consonants in the same word was applied also to consonants in different words, partly from a real confusion in rapid speech, partly from a want of distinction in writing. When both consonants are in the second word, the Romans were much more reluctant (cf. § 293) to
 lxxviii admit in theory, because they were less liable to produce in practice, the same prosodiocal effect. The confusion of two words here supposed finds an analogy in French, when the final consonant otherwise mute is revived in order to be pronounced, not with its own word, but with the following word. (Comp. also Ellis, *Early Eng. Pron.* p. 56.)

To the 4th argument I do not see what answer can be made.

Madvig (*Bemerk.* pp. 17, 26. n.) points to the vowel *e* being found in *perfectus*, *nomen* compared with *i* in *perficio*, *nominis*, and considers it to be due to the syllable being closed in the first two words, open in the last two. And it may be urged that on my theory, though *perfect-us* compared with *perfic-io* may admit of explanation, there are not two consonants to account for the *e* in *nomen*. True, but neither is there a closed syllable to account for *mare* compared with *maris*; and still more clearly in words like *iste*, *ante*, compared with *istic*, *antistes*, &c. (see § 234, 3), the open syllable exhibits the *e*, but becoming closed takes *i* instead. The true explanation of the *e* in *nomen*, I am not at all sure of: it might perhaps be held to be the result of the suffix having once been, as some philologists (e.g. Leo Meyer, II. 263) suppose, *ment* (for *mant*), in which case the *e* has remained as in *eques* for *equets*, &c. But it is enough to observe that on examining carefully the laws of change as set forth (more systematically than I have elsewhere seen) in § 234, 3, it will be found that *nomen*, *nominis* is quite consistent with other words, and that these laws, be their basis what it may, do not depend on the syllable being open or shut.

The following is a summary statement of the probable pronunciation of educated Romans in the period from Cicero to Quintilian, say 70 A.C. to 90 P.C. (The references in brackets are to pages of the preface or sections of the book where arguments are given.)

I. VOWELS:

lxxix

The long and short sounds of a vowel were probably identical in *quality*. In English they are always different.

ā as in Italian, i.e. as in *father*; not as in *fate*.

ā the same sound shortened, as in French *chatte*; not as in *bat*.

ō as Italian open o, nearly as in *dot*.

ō as Italian open o, or the Cumberland pronunciation of *home*, a sound nearer to English *aw* than is the ordinary o in *dote*, or in the ordinary English *home*. (pp. lxix.—lxxv.)

ū as in Italian, i.e. as French *ou* in *poule*, nearly as in *pull*; not as in *lull*.

ū as in Italian, i.e. oo in *pool*; not with a prefixed *y*-sound, as in *pule*, *mule*.

ē as Italian open e; nearly as in *pet*, *met*.

ē the same sound lengthened; not as in *peat*, *mete*. (pp. lxix.—lxxv.)

ī as Italian i, i.e. as in *machine*; not as in *shine*, *pine*.

ī the same sound shortened: but practically the ordinary English short i may be used, as in *pin*.

y as Germ. ü, but inclining to i, e.g. *Müller*, which is nearer *Miller* than *Muller*.

This pronunciation of ō and ē is recommended, partly because it appears more probably to be right than the sound of French *au* and French *é*: partly because the ordinary English long o and long a, which might be otherwise used, are usually diphthongs (see § 21).

A long vowel was pronounced long, and a short syllable short, whether by itself or before one or more consonants, e.g. *lūx*, *lūce*; *pāter*, *pātre*; *māter*, *mātre*; *amānt*, *regūnt*, &c. (pp. lxxviii. lxxx.)

A vowel before *ns* or *nf* was pronounced long (§ 167).

In unaccented syllables, each vowel probably had its proper sound, instead of their being all alike reduced as commonly in English to the sound in *mention*, *paper*, *label*, *turban*, &c. (pp. lxxxi. lxxxii.)

When *est* followed a vowel or *m*, the *e* was omitted (§ 721).

lxxx II. DIPHTHONGS.

The right rule for pronouncing diphthongs is to pronounce the constituent vowels as rapidly as possible in their proper order. (See a more exact account in App. A. xi. xii.) This will give as follows:

au as in Germ. *haus*, i.e. a broader sound than *ow* in *cow*; not as *au* in *cause*.

eu as in Italian *Europa*, i.e. as *ow* in Yankee *town*.

æ nearly as (the single vowel) *a* in the Somerset pronunciation of *Bath*, i.e. as in *bat* lengthened. (p. lxxv.)

oe as a diphthong. (p. lxxv.)

ei nearly as in *feint*, but with the stress on the latter vowel; not as long English *i*. (Cf. § 267.)

ui (in *hulc*, *cui*) as French *oui*. (p. lxxvi. and § 222.)

The diphthongs *ou* (§ 251) and *oi* (§ 263) are found only in early Latin.

III. CONSONANTS :

c always hard, as *k* in *kitty*; not as *c* (=s) in *city*. (pp. xlvii—liv.)

g always hard, as *g* in *give*; not as in *gin*. (p. lv.)

ng as *ng* + *g* i.e. as in *anger* (i.e. *ang-ger*); not as in *bang-er*.

So *nc*, *nq*, as *ng* + *c*, *ng* + *q*. (p. lvii.)

j as English *y*, in *year*; not as English *j* in *jeer*. (§ 138.)

v as English *w* in *wine*, or French *ou* in *oui*; not as *v* in *vine*. (pp. xxxiii.—xlvi.)

qu as in English, e.g. *queen*. But *qua* should be avoided, and e.g. *quom* or *cum* uttered. On *qui*- see p. lxxvi.

r always trilled, never vocalized as commonly in English when a vowel does not follow. (See App. A. xiii.—xvii.) Thus **per** should be sounded as in *perry*, not as in *pert*; **ere** as English *ā-ry*, not *airy*: **ire** as (English) *ee-ry*, not *eary*.

s always sharp as in *biss*; not (like *z*) as in *bis*. (pp. lviii.—lxxxixi.) The mispronunciation by Englishmen occurs most when **s** follows **e** or **n**.

bs as **ps**, not as **bz**. (p. lvii.)

x always as **ks**, as in *axe*; not **gz**, as in *exact*. (p. lvii.)

tl always **tee** (long or short as the case may require), not (as before a vowel, e.g. *natio*) as *sb* or *sbe*. (p. lvi.)

ph, **ch**, **th** were not like English **f**, German **ch**, English **th**, but as **p+h**, **k+h**, **t+h**: sounds somewhat difficult to Englishmen, but often heard from Irishmen (§ 132).

In prepositional compounds assimilation in pronunciation appears to have been usual in certain cases:

ad was completely assimilated to all consonants, except **b**, **f**, and **m**. (§ 160. 9.)

sub, **ob** were completely assimilated to **c**, **f**: and became **sup**, **op**, before sharp consonants. (§ 78.)

com was completely assimilated to **l**, **r**; became **co** before **gn** and **h**; and became **con** before all other consonants, except labials. (§ 85. 4.)

in was completely assimilated to **l**, **r**, and became **im** before labials. (§§ 168. 1. 2; 176. 1; 184. 1.)

per was completely assimilated to **l**. (§ 176. 1.)

On other cases see Book I.

The other consonants in Latin were probably pronounced as we now pronounce them. But final **m** was sometimes not sounded, or perhaps gave only a nasal sound to the vowel. (p. lxxxii.)

An observance of the Latin rules for accentuation does not involve much which is different from the usual English practice (p. lxxxiii). On the division of the words into syllables, see §§ 15, 232; pp. lxxxiii.—lxxxvi.

lxxxii A few examples will show plainly the great difference between the ordinary English, and what is here represented to be the Roman, pronunciation. To express the pronunciation I have thought it best to follow no exact system, but to select, where possible, common English words or syllables. I have however used *ah*, *æ*, *eh*, and *ò* for what I suppose to be the true sounds of Latin *a*, *æ*, *e*, and *o* as defined above; *ërr* for the sound in *herring*, not in English *err*; *ay* for the ordinary English long *a*.

Pronounce	as	not as
cerno, crēvi	kërr-nò, kreh-wee	sur-no, kree-vie
civitatēs	kee-wi-tah-tāce	sigh-vi-tay-teez
exercitui	eks-ërr-kīt-oo-ee	eg-zur-sit-you-I
fāgis	fah-geese	fay-jis
fiēri	fee-ërr-ee	fire-eye
fūmare	foo-mah-rēh	few-Mary
infrā	een-frah	in-fray
jāciunt	yāhk-i-oont	jās-i-unt or jay-si-unt, jay-shi-unt
jōvis	yò-wis	joe-vis
nātio	nah-ti-ò	nay-shi-o
obscurior	òps-koo-ri-orr	obz-kyoor-i-or
paucæ	pow-kæ	paw-see
rērum	reh-room	rear-um
scire, cire	skee-rēh, kee-rēh	sire-y
sciscitari	skis-ki-tah-ree	sis-si-tare-eye
vēni, vīdi, vīci	weh-nee, wee-dee, wee-kee	vee-nigh, vie-die, vie-sigh
[urbs	oorrps	urbz]

The division of syllables in the above is, in order not to embarrass the reader, accommodated in the main to the ordinary view.

Observations on Book II.

Noun-stems ending in *e*.

I BELIEVE the general doctrine of grammarians may be represented to be, that the stems commonly forming the fifth declension have the genitive and dative singular, except occasionally in poetry, in *ei*; that the *ei* is a dissyllable; and that the *e* is usually long, e.g. *diēi*, but short, if it follows a consonant, e.g. *fidēi*. And accordingly it is common enough to find modern writers using such words as *materiēi*, and referring (e.g. Corssen, II. 723) without hesitation to words like *faciēi*, *notitiēi*, *amicitiēi*, as if they were of common and undoubted occurrence. Now, putting aside the Latin authors subsequent to the silver age, into whose usage on this point I have made but little investigation, and speaking of the older period, that which alone I regard in this volume, I believe all the above parts of the ordinary doctrine to be quite unfounded. I do not profess to have read through all the writers of the gold and silver ages with a view to this inquiry, but I have used such other means as were available, and have had the point before me for some years. The result is stated in §§ 340—343, and 357 and 360. The kernel of the whole matter is to be found in Gellius, IX. 14, and in Quintilian's significant question (v. 6. § 26) quoted in the note to p. 116; and the inference, which may be thence drawn, is confirmed by Neue's collection of the facts of actual usage. The great mistake commonly made is in starting from the assumption, derived from Roman grammarians, that a dissyllabic *ei* is the regular ending, and consequently only noticing what are supposed to be deviations. In §§ 357, 360 will be found all the instances that I have been able to collect of the use of a genitive or dative singular of an *e* stem at all. It will be seen that *dies*, *res*, *spes*, *fides* and *plebes*, are the only words which are found in these cases, except quite sporadically.

lxxxiv Of these, only *dies* has *i* before *e*, and the *i* here is a vowel of the root, not part of a derivative suffix, as in *notities*, &c. As for the rule concerning the quantity of the *e*, *diei* alone when dissyllabic has always an *e* long (as indeed a short *e* between two *i*'s would be utterly unstable in Latin): *rei* is used with *e* long in Plautus and Lucretius, with *e* short in Plautus, Terence, and Horace: *fidei* has *e* long in Ennius, Plautus, and Lucretius; *e* short in Manilius and Silius. There are, so far as I can find, no other instances in verse of a genitive and dative singular in *ei*. The dissyllabic nature of *ei* can be shown only by express mention or by verse.

Now, putting together the following facts, (1) that at least in many words the stems in *e* are collateral to stems in *a*; (2) that an antique genitive of *-a* stems, in *ai*, was preserved in poetry by occasional usage for some time; (3) that in Cicero's time the genitive and dative of the *-e* stems were written either with *e* or with *i*; (4) that *ei* was an accredited spelling of either an intermediate sound between *e* and *i*, or of long *i*: (5) that the use of any genitive or dative sing. of these stems is decidedly rare, except in three or four words, and that Quintilian regarded the form, at least as regards *progenies*, as either non-existent or disputed;—putting these facts together, we may conclude that while *ei* may very possibly have been one mode of spelling the ending of the genitive and dative, it was probably monosyllabic, except in poetic and antiquarian writers. There is, however, no reason to doubt that, after Gellius' time, this was the ordinary spelling, and possibly, under the deceptive influence of *diei*, *fidei* in the old phrases *bonæ fidei*, and *plebei* (in *tribunus plebei*, *plebeiscitum*), and the monosyllabic stems *re-*, *spe-*, the *ei* was regarded as dissyllabic. I have given in the paradigms of the declension (§ 343) what I suppose Cicero or Livy would have given.

It may perhaps be the most convenient course in modern times to continue to write *ei*, but we should pronounce it as a diphthong (§ 267), and use such forms as little as may be. It is impossible to suppose, considering the words¹, that the rare occurrence of the genitive and dative is not in some degree the result of a felt difficulty: and some of the instances which do exist are probably

¹ e.g. *acies*. I have not hit upon any place in Livy where the genitive or dative of this word is used.

due to copyists who restored the ordinary spelling of their time, lxxxv not to the writing of the authors of the gold or silver age themselves.

Noun-stems ending in i and in a consonant.

In determining which are i stems and which are consonant stems, I have followed principally the clue given by the genitive plural, and, in the case of neuter substantives or of adjectives, that of the nominative and accusative plural also. But I have also taken into account, especially where evidence on the above points was either non-existent or vacillating, the use of *-is* in the nom. or accus. plural of masculine and feminine nouns, and of course, in the few nouns which exhibit it, *-im* in the accus., and the more frequent *i* in the abl. singular. Many writers have considered words like *ars*, *mens*, &c., which do not exhibit the *i* in the nominative singular, as having, either in this case or in the singular number generally, passed into the consonant declension, or as having two stems, a consonant stem and an i stem. But the thorough-going distribution of the words of the third declension, adjectives included, between consonant stems and i stems, and the enumeration of all the words (except very numerous derivatives), with mention of any peculiarities they may show, have not, so far as I am aware, been done before. And this has brought into light two important points, stated respectively in § 406 and in § 408, compared with § 435.

1. The first of these points is that the difference between retaining or omitting the *i* in the nominative singular is due to phonetics and not to etymology. The *i* was evidently so weak in this final syllable, that, with rare exceptions, it was retained only when the nature of the preceding consonants was such as to be powerfully affected by an adjoining *s*. Thus stems in *-mi*, *-vi*, *-qvi*, *-gvi*, *-ni*, *-li*, *-ri*, *-si*, retain the *i* with rare exceptions. The exceptions show the extent to which the stem would have been disguised, if this protective influence had not been exerted. Thus *nix* is hardly recognizable as of the same stem as *nigvis* or *nivis*; *præcox*, though looking very different, really stands to *præcoqvis* in

lxxxvi the same relation that *cōcus* does to *coqvos*. *Ci* generally drops *i*, but *sci* retains it, clearly because *fascis* would otherwise have been confused with *fax*. *Ti* generally dropped it, notwithstanding that this occasioned the loss of the *t* also. I presume, the close affinity of the continuous dental sharp *s* to the explosive dental sharp (*t*) rendered the former a sufficiently clear symbol of the real stem. But this clearness could not last, if other consonants were also to be absorbed by the nominative suffix; and therefore *sti* and *-di* retain the *i*, and thereby retain their distinctive consonants; *restis* is not allowed to become *res*, nor *pedis* to become *pes*. *Assis*, *semissis*, *bessis* (cf. App. D. p. 449), are found both in the full form, and as *as*, *semis*, *bes*, the abbreviation being the natural result of constant usage. Again, where *t* is preceded by a short vowel, the omission of the *i* would confuse stems having a short vowel, with stems having a long vowel. Hence *nātis* does not become *nas*, because *nas* would presume a stem *nāti-*; *sītis* is, by the retention of its *i*, preserved from an identity with the commonly occurring word *sīs*. On the other hand, *intercus*, *compos*, compared with *cutis*, *potis*, show the tendency allowed to operate, because the desire of shortening a long word prevailed over the risk of confusion—a risk which is indeed less when a word has a prefix than when it is a simple stem. But the confusion is evident, where such principles have been disregarded. *Princeps* may fairly enough represent *principis*, but then *præcipitis* should not have been allowed to sink into an apparently analogous *præceps*. Ennius indeed, and another old poet, seem to have been deceived by the nominative, and used *præcipim*, *præcipe*, for accus. and abl.¹ Clear evidence of the antipathy of *n*, *i*, and *r* to an adjoining final *s* is afforded by the nominative of such consonant nouns as had stems ending in these sounds. It would not have been well to cut all such words down, as *supellectilis* was cut down, simply through this, to (*supellectils*, *supellects*) *supellex*. Who could have borne *messis* becoming *mes*, *tussis* becoming *tus*?

Corbis and *orbis* retained their *i*, probably because otherwise they might be confused with *p* stems. Thus *urbs* was doubtless

¹ This is by no means the only instance in which the very early poets (Greeks by origin) seem to have simply blundered.

pronounced *urps*, but there appears to have been an unwillingness lxxxvii so to write it, lest the last evidence of the *p* stem should vanish. For, it must be remembered, though the Romans knew nothing of the modern theory of stems, yet they were struck by the apparent anomaly of writing, e.g. *urps* in the nominative and *urbem* in the accusative.

It is probable that the *i* has a very different origin in some of these words from what it has in others; in some it may be original, in others a weakened *a* (or *o* or *e*); in others it may have been inserted in order to give more distinctness and independence to a puny stem, and ward off the dangers of an overbearing *a*. This appears to be the case in *canis*, *juvenis*. *Senex* found another way out of this difficulty.

The stems with nom. in *-es*, I have thought best to class with the *i* stems, as those with which they have most resemblance. I am well aware that they are often supposed properly to have their stem, not merely their nominative case, in *-es* (cf. e.g. Schweizer-Sidler *Lat. Gr.* § 50, and see Leo Meyer, Corssen, &c.), but this appears to me far from certain (see § 405). And in a case of obscurity I have preferred to be guided in my arrangement by the balance of objective facts.

2. In §§ 408, 435, I have pointed out some striking differences between the words which have *i* stems, and the words which have consonant stems. While fully admitting the probability of some of both classes of stems being as original as stems in *a* and *o*, I am inclined to regard the second class of nouns as on the whole of later birth than the first class, and the majority of these stems as being weakened forms of *o* and *a* stems, the so-called *i* stems having been for phonetic reasons arrested at an intermediate stage, the consonant stems showing the latest and furthest stage. As the words increased in length by the addition of derivative suffixes, they under the influence of the Latin accentuation first thinned the final vowel, then dropped it altogether. This final vowel was, it is true, originally very important as the sign of gender, but as the language grew older, the imagination which saw sex in inanimate objects grew duller, and first the distinction of male and female became unimportant in such matters, and then the distinc-

lxxxviii tion of sex and no sex. The new derivatives which were the offspring of the rational faculty were names of abstractions, not of things, and they were by the process of their formation descriptions, not pictures. Thus the gender became masculine or feminine according to some distant analogy, instead of present vision; and it was recognized not by one special and invariable suffix for each sex (o or a), but by the character of the derivative suffixes themselves; e.g. *ōn* masculine, *-lōn* feminine; *-tōr* masculine, *-trīe* feminine, &c.; *-ūs* or *-ēs* neuter. So again some suffixes were confined primarily at least to adjectives, e.g. *-tīlī*: others to substantives, e.g. *-ōn*, *-lōn*.

Gossrau (*Lat. Gr.* § 86, p. 92) has called attention to the connection of the genitive plural with the accent, and proposed the following rules: '(1) All pari-syllables, as belonging to the 1 declension, have *-iūm*. (2) All words, which with the ending in *-iūm* need not draw the accent forward from the syllable on which it falls in the genitive singular or nominative plural, have *iūm*; others have *ūm*. Or the rule may be thus stated: all words which in the genitive singular have the penultimate syllable long have *-iūm*, those which have it short have *-ūm*. This rule,' he adds, 'is good also for all adjectives.' But there are some considerable exceptions, as he acknowledges, to these rules.

In my opinion the only truth, contained in these rules, is what I have before referred to; viz. that the consonant stems are to a considerable extent stunted 1 stems, the Roman law of accentuation exerting a constant influence to shorten the word at the end, and this particularly, when the penultimate syllable is short.

Verbs with vowel stems.

Some readers will probably be surprised at seeing the final vowel of some verb-stems marked as short; e.g. *domā-*, *monē-*, *facī-*, and others of the classes to which these belong. My reasons for regarding them as short are these.

To take first the case of *e* stems¹. (1) A few verbs with *e*

¹ A very competent comparative philologist, Grassmann, has already taken a similar view, and on much the same grounds (*Kuhn's Zeitschrift*, XI. p. 89).

radical (all but two, *-ole*, and *-vie* being monosyllabic stems) have *lxxxix* *-ētum* in the supine (§ 692). But the great mass of the rest have *-itum* (§ 693). A few omit the vowel altogether (§§ 700—709). Short *i* is a very frequent substitute for *e*, especially in unaccented syllables (§ 234). The occurrence therefore of a short *i* in the great majority of suffixes from verbs with *e* stems is strongly suggestive of the shortness of the final stem *e*.

(2) There is a numerous class of adjectives with stems in *-do* (§ 816). Most of these are derived from verbs, and all but a few of these are from verbs with *e* stems. In all these cases there is a vowel preceding the *-do*, and this vowel is short *i*. In no instance is there a long vowel, unless radical, preceding *-do*, and in no instance is the adjective derived from a stem with *ā* or *ē* or *ī* or *ī*. This again points to a connection of *i-do* with shortness of the stem vowel of the *e* verbs.

(3) The perfect of verbs with *e* stems which have *-itum* in the supine is in *-ui*, never in *-ēvi*. And the same perfect is found in a great many other verbs of the like stems, which have no supine or other word of this formation in use. Now it seems difficult to account for the general prevalence of *ui* (instead of *ēvi*) in *e* verbs, compared with *-āvi* in *a* verbs, unless from the *quantity* of the vowels being different. The difference in *quality* between *a* and *e*, when these vowels come before *u*, does not seem of a kind to account at all for the nearly universal solution of the one vowel and maintenance of the other. Verbs which, as monosyllables and as having radical *e*, have the best claim on *à priori* grounds to *e* long, have *ēvi* in the perfect, accompanying *ētum* in the supine. But *ē + u* seems calculated to pass into *eu* and then into *u* without difficulty.

These facts together seem to me to make strongly for the shortness of the *e* in *mone-* and such like verbs. Nor do I see any argument¹ for its length, which is not drawn from facts which, to say

¹ Gellius indeed speaks (VII. = VI. 15) as if 'calescit, nitescit, stupescit, et alia hujusmodi multa' had *e* long, and 'quiescit' *e* short. Those who consider this a proof of the characteristic vowel of *e* verbs being long naturally, may explain how 'quiescit' came to be (according to Gellius) short. [In Greek inscriptions we have from verbs with *e* stems *Οὐαλεντος*, *Πουθεντος* though the nominatives were written *Οὐαλης*,

the least, are perfectly compatible with this theory. I conceive the
 xc length of *e* in parts of the present stem, e.g. *monēs*, *monēmus*,
monētis, *monēre*, and similar parts of the passive verb, to be explica-
 ble by a contraction of the final *e* with the initial vowel of this
 suffix, *monē-ēre* = *monēre*. For the existence of the initial vowel
 of the suffix, I refer to the consonant stems. (For Corssen's theory
 respecting these consonant stems, see § 743.)

The analogy of Greek stems appears to confirm the same
 view. There the *e* is unquestionably short, e.g. *φιλέω*; and
 wherever a long vowel appears in its stead, a contraction has taken
 place.

I might refer to the quantity of the *e* in the half compounds,
 e.g. *pudefacis*, but the evidence is not decisive. All the instances
 will be found collected in § 994. The majority of them have
e short, and of the dozen which are found with a long *e*, three
 (*experge-*, *rare-*, *vace-*) are not from *e* stems, one (*sve-*) is from
 a verb with radical *e*, four others (*liqve-*, *pate-*, *putre-*, *tepe-*) are
 also found with *e* short; and the remaining four (*conferve-*, *contabe-*,
perfrige-, *obstupe-*) are each used once only, and that in writers
 (Plaut., Ter., Lucret.) whose use in such a matter can hardly be re-
 garded as decisive. The probable solution of this occasional lengthen-
 ing may be sought in a wrong inference from the length of the *e* in
monemus, *monere*, or in a fancy that, e.g. *perfrige-facio* is contracted
 for *perfrigēre facio*. Anyhow the evidence from these compounds
 on the whole inclines considerably in favour of the theory of the
 final *e* of the stem being short.

There are a few verbs with *a* stems which seem to me to have *ā*
 short. They will be found named in §§ 645 and 688. The
 greater number of them are markedly distinguished from ordinary
a verbs by the same characteristics as have been noticed in most *e*
 verbs, viz. a perfect in *-ui* (instead of *avi*), and a supine in *-itum*
 (instead of *ātum*). Some of these show indications of having their
 natural character eventually overborne by the analogy of the others.
 Hence we have *micui* and *dimicāvi*, *enecui* and *enecāvi*, *-plicui*

Πουδης (for Valens, Pudens, cf. § 167); *Οὐαλεντεινος*, *Φλωρεντια*; just as
 much as *Κρησκευτος*, *Πραισεντα* which are from consonant verbs.
 (Dittenberger, *Hermes* VI. 308.)]

and **-plicāvi**. **Dā-** retains its radical short quantity throughout, except in **das**; **stā-** is, as regards the present stem, swept into the strong current of the derivative verbs; **sonā-** gives place to a verb **sōn-**; or it may perhaps be held that **sonīs**, **sonēre** are really attempts ^{xi} at preserving the proper quantity without the apparent anomaly of a short **ā**. [**Lavēre**, **lāvi**, **lautum** or **lōtum** with compound (**dīluo** for **dīlauo**) points to a stem **lau-**; but there is also **lavātum** pointing to **lavā-**: the common point of origin may well have been **lāvā-**]. **Rā-** and **sā-** deviate in other ways. On **inquam**, see § 561.

The argument from the supine will be best appreciated by an examination of Book II. Chap. xxiv. It will be seen how few are the cases in which a vowel is found before **tum** in the supine, without the other parts also showing a vowel stem. (See § 698, also **fruiturus** and **ruiturus**.) Nor are the instances many more in which, if the above principles be adopted, the quantity of this vowel does not correspond with the quantity of the final stem vowel. (Corssen supposes in the case of **e** stems a shortening of an original **ē**; in the case of the **a** stems the coexistence of a verb of the 3rd conjugation. *Ausspr.* II. 292—295 ed. 2.)

The verbs like **facio**, **capio**, &c. are generally regarded as having an inorganic **i** inserted in some parts, whilst in others what is considered its real consonant stem is shown. I have ventured to consider these verbs to be vowel verbs with stem ending in **-i**. For, as far as I understand the laws of vocalization in Latin, the phenomena are exactly those which would be found, if they had this stem ending: **i** would maintain its place before a labial vowel (**o** or **u**), and would be omitted before **i**; comp. **adice** for **adjice**, &c. (§ 144). But when **s** becomes **r**, **i** would of course become **ē**, and this completely accounts for what otherwise seems such strange variation as **capio**, **capīs**, **capīt**, **capiunt**, **capiebam**, **capias**, **capies**, **capēre**, **capērem**¹, &c. The imperative singular **cape** from a stem **capī-** is evidently analogous to **mare** from a stem **marī-**, and may be accounted for in the same way, whatever that be (see § 196). It may be remarked that a final **i** is very rare in Latin words (see §§ 280, 243, 4). Such

¹ Comp. Grassmann in Kuhn's *Zeitschrift*, XI. p. 50.

instances as do occur are all due to poetic shortenings of original long vowels.

Some of these verbs exhibit this *i* short in the supine. In others it is omitted, as is the case in many vowel verbs. Any short vowel in this position would almost inevitably have become *i*, and the omission of *i* in, or adjoining to, suffixes is far from being uncommon.

[Just as the current of the derivative verbs with *-ā* stems, swept with it some verbs whose stem was properly in *-ā*, so some verbs with *i* stems were made occasionally to assume the character of verbs with *i* stems. Thus e.g. *cupi-* has *cupiui*, *cupitum* and once *cupiret*; *mor-* has *morui*; *aggredi-* has *aggredui*, *aggredimur*; *fodi-* has *fodui*; *ori-* has *orimur*, *adoriris*; *poti-* has *potitus*, *potirer*, *potiri*. (See Chap. xxx.) Comp. also § 657.]

xcii I am not confident as to the quantity of the final stem vowel in such verbs as *senti-* (*sentio*, *sensi*, *sensum*). I have sometimes marked it long as usual. It may be, these verbs are instances of a semi-perversion by the analogy of more regular *i* stems, e.g. *audio*, *audiui*, *auditum*; or the *i* is here distinctly realized as a suffix of inflexion only, a mark of the *present* stem, instead of the verb stem. In verbs which have reduplicated perfects, or perfects in *-si*, the same distinction is practically recognized.

Concluding Remarks.

I have stated in different parts of the book such obligations as I thought necessary to mention in a book of this kind, which can rarely be formed by independent research from the original authorities directly. But I desire here expressly to recognize the debt I owe to Ritschl, Corssen, Neue, and Curtius, to all of whom I hope, at a future time, to express renewed obligations for further information. Many of the statements about Latin inscriptions of the Republican period are taken from Ritschl, and taken with the confident belief that, though they may not prove always right, it is exceedingly improbable that I should be able to correct him. Some of his writings on Inscriptions are not easily accessible. I look forward with much interest to their republication in his *Opuscula*, as well as to the new edition of his Plautus, and the promised Grammar

of old Latin, if indeed the last is not put off to the Greek Kalends. The statements about later inscriptions, and some respecting Republican inscriptions, are chiefly founded on statements by Corssen or Brambach (*Die Neugestaltung der lateinischen Orthographie*, 1868). These of course cannot claim anything like the weight of Ritschl's statements, which are the outcome of years of skilled and careful labour. To Corssen I am the more anxious to acknowledge my frequent obligations, because his very prominence in the field of Roman phonetics has made it necessary for me, in some cases, to express and vindicate my dissent from his views. The second volume of the new edition of his *Aussprache* did not reach me in time to make much use of, except in occasional reference and correction. Curtius' very careful identification of Latin and Greek roots has been followed almost implicitly to this extent, that I have rarely suggested an identity which he has not approved, though I have frequently omitted some which were either superfluous for the purpose in hand, or appeared to me to admit of some doubt. xciii

Neue's *Formenlehre* (1300 closely printed pages without an index) has enabled me to give a more complete, and at the same time a briefer, account of Latin inflexions than will be found in other Grammars. It seemed to me useless, as a general rule, to encumber my book with references to the passages where a particular form occurs, when this work has been done exhaustively already, and the result can be easily obtained by any scholar who seeks to test a matter himself. On the other hand Neue's book is quite unreadable by the majority of students, and is, in fact, not so much a grammar itself, as a quarry from which grammars will be built. I hope greatly to improve my own 1st and 3rd Books when the corresponding parts of Neue's work are published. It may be useful to add that, being mainly a collection of references, it is accessible to a great extent by students who have little knowledge of German. I have tested his references in a great many cases, and rarely found them inaccurate. Of course, later critical editions of authors will sometimes alter his results.

Madvig's Grammar (3rd Germ. edit.) has not been of so much service to me in this volume, as in the Syntax. In that my obligations to him are paramount to all others. To Key's Grammar I certainly owe much in the way of suggestion, but how much

I cannot tell, as I have often used it for many years, and in such a case it is impossible to distinguish between ideas which have been more or less borrowed, and those which have been obtained by independent inquiry with eyes turned in the same direction. But there is no recent Latin Grammar, that I know of (except Madvig's in the Syntax), which is based on so fresh a study of the facts, or has done more in awakening a more scientific treatment. I have also read some of his other Philological papers, and sometimes got useful hints even from those with whose general arguments and conclusions I am quite incompetent to deal.

Gossrau's elaborate, but not, as I think, very happily conceived Grammar, and Schweizer-Sidler's *Formenlebre*, were not published till my first two books were in print. And two English books, xciv Peile's *Introduction to Greek and Latin Etymology*, and Ferrar's *Comparative Grammar*, vol. i., did not come into my hands till still later.

I have intended to use always the best texts of the Latin authors. What I have used are Cicero by Baiter and Kayser, and the larger edition by Baiter and Halm; Sallust by Jordan; Cæsar by Kraner and Dinter; Livy by Madvig; Curtius by Hedicke; Pliny the elder by Detlefsen, so far as it had appeared (now 3 vols. containing Books i.—xxii.), and Jan for the rest; Quintilian by Bonnell, and latterly the edition by Halm; Plautus by Ritschl, and Fleckeisen, with Wagner's *Aulularia*; Terence by Wagner and Umpfenbach; Lucretius and Horace by Munro, to whose notes on Lucretius I am often indebted; Vergil by Ribbeck, whose grammatical index has been of much service to me. For most other books I have used the editions in Teubner's series.

Of some plays of Plautus which have had no recent critical editors, and of Cato and Varro, *de re rustica*, I have made less use than I should have done, had I been able to regard the text as in a fairly trustworthy condition.

I have the pleasure of expressing my thanks to my friend, the Rev. Professor Joseph B. Mayor, who has kindly read over most of the proof sheets, and by whose criticisms I have always benefited: and to the Rev. J. H. Backhouse, who read and commented on the

proof sheets of the book when in an early stage. The draft he saw (an enlargement of my *Elementary Latin Grammar*, published in 1862) has however been twice superseded since, and I can only regret that the present book has not passed under his most accurate eye.

There are several real or apparent inconsistencies, especially in the printing of the volume, which I mention, lest they should deceive any one. I have by no means always distinguished (as I think it desirable to do in a grammar) the consonant *v* from the vowel *u*; nor always marked the suffixes or parts of suffixes with hyphens, nor always marked the quantity of vowels, nor been rigid in spelling, especially in cases of assimilation, e.g. *qvanqvam* or *qvamqvam*, &c., nor named a word always according to its form at the same stage of the language, e.g. *proxumus* and *proximus*; *com*, *cum*, *con*; &c. Nor have I been always consistent in noticing or not noticing very exceptional occurrences of words or forms, or rare occurrences in extinct writers (e.g. the early dramatic poets); or the non-use of particular cases of nouns, where the non-use was probably accidental, and the like. In some cases I have had a reason for the apparent inconsistency, but in others it has been unintentional. I fear too that there are some unintentional omissions and misplacements of words in the lists in Book III.

The second part containing the Syntax is half printed, and will be ready, I hope, in a few months. References made here to sections bearing numbers higher than 999 are to the Syntax.

I have now only to add that I shall be thankful to any one who may take the trouble, either privately or publicly, to point out any mistakes I may have made.

H. J. ROBY.

LONDON, *May*, 1871.

(*Published 7 July*, 1871.)

In this second edition I have silently corrected the errors which have been pointed out to me and those which I have myself noticed. Some additions also have been made, though these had to be kept within narrow limits owing to the book being stereotyped. Both corrections and additions, though not inconsiderable in number, are mostly of slight moment, and none, I think, involve any change of principle. A thorough revision of the book has been out of the question. Such time as I have to spare for studies of this kind, has been fully taken up with the preparation of the *Syntax*. Nor indeed could a re-examination of the subject-matter be so usefully undertaken now, as after a few more years have brought further criticism and further aids from without.

The additions made to the Preface have been included in square brackets. A few verbal corrections have been made without notice. I have marked in the margin the pages of the first edition.

I am glad to be able to refer my readers for a fuller exposition of many points of phonetics and philology to the second edition of Mr Peile's able and interesting *Introduction to Greek and Latin Etymology*.

I have the pleasure of acknowledging corrections kindly sent to me by the Rev. John E. B. Mayor, of Cambridge; Henry Nettleship, Esq., of Harrow; Charles C. Tancock, Esq., of Exeter College, Oxford; and especially by Professor George M. Lane, of Harvard College, Massachusetts, who favoured me with a long list of corrections, of which many might have escaped my notice, and all have been of much service.

The second Part has been delayed partly by increased official work, but chiefly by my having recast and enlarged the doctrine of the cases. I hope now a few months will complete it.

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92, KENSINGTON GARDENS' SQUARE, LONDON. W.

14 Octob. 1872.

BOOK I.
SOUNDS.

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SOUNDS.

CHAPTER I.¹

ELEMENTS OF SPEECH; and particularly CONSONANTS.

THE human voice may be regarded as a continuous stream of air, emitted as breath from the lungs, changed, as it leaves the larynx, by the vibration of two ligaments (called *chordæ vocales*) into vocal sound, and either modified by various positions, or interrupted or compressed by various actions, of the uvula, the tongue, and the lips. In a whisper the ligaments do not vibrate, but otherwise the description holds good.

Interruption by complete contact, or compression by approximation of certain parts of the organs, or vibration of the tongue or uvula, produces *consonants*.

Modification, without interruption or compression, and without vibration of the tongue or uvula, produces *vowels*.

CONSONANTS.

Consonants admit of a fourfold classification, according to

1. the completeness or incompleteness of the contact;
2. the accompaniment or absence of vocal sound;
3. the position of the organs, where the contact takes place;
4. the passage of the breath through the mouth or nose.

¹ In this and the next two Chapters, much use has been made of Lepsius' *Standard Alphabet* (1863); Max Müller's *Survey of Languages* (1855) and *Lectures* 2nd series; Melville Bell's *Principles of Speech* (1863); Brücke's *Physiologie der Sprachlaute* (1856).

1. (a) If the contact is complete, so as to cause an entire in-³terruption of the passage of the breath, we get *mutes* (*explosive* consonants, *checks*, &c.); as **p**, **b**; **k**, **g**; **t**, **d**.

(b) If the contact is only partial, i.e. if the organs do but approximate more or less closely to each other, we get a continuous sound caused by the friction of the breath against the parts. These sounds are called *fricative* consonants (*continuous*, *spirants*, *flatus*, *breathings*, &c.); as **s**, **z**; **sh**, **zh** (French **j**); **th**; **f**, **v**; &c.

2. (a) Again the contact or approximation may be made with⁴ the vocal chords wide apart, in which case a whisper only takes place. These consonants are called *sharp* or *voiceless* (*breathed*, *hard*, *surd*, *tenués*, &c.); as **p**, **k**, **t**, **s**, **sh**, **th** (in *thin*), **f**, **wh**, **h** (in *buge*), **rh** (as **r** in French *theatre*, *fiacre*), &c.

(b) If the contact or approximation is made, with the vocal chords close to one another, the consonants are called *flat* or *voiced* (*soft*, *blunt*, *sonant*, *mediæ*, &c.); as **b**, **g**, **d**, **z**, **zh**, **th** (in *then*), **v**, **w**, **y**, **r**, &c. The chords being thus ready to vibrate usually do vibrate, causing voice, either during the approximation, or, in the case of a mute, the instant that the contact is released. But the sound of the voice is not essential, as, in whispering, a rustle in the throat takes its place. (See App. A. vii.)

3. Again the parts of the mouth which are put in contact or⁵ approximation or movement are very various, and the sound is modified accordingly. For the purposes of classification in European languages five parts may be especially distinguished; viz. the lips, the throat (or rather the soft palate just above the larynx), the hard palate, the teeth, and the tongue.

(a) Consonants formed at or with the lips are called *Labial*; viz. **p**, **b**, **m**, **w**, and labial **f**, **v**. The ordinary **f**, **v** are *labio-dentals*, being formed by the under lip and upper teeth.

(b) Consonants formed in the throat (or soft palate) are called *Guttural*; viz. **k** (**c**, **q**), **g**, **ng**, **ch** (in *loch*).

(c) Consonants formed at the hard palate are called *Palatal*, of which some approach nearer to gutturals, some to dentals: such are **y**, **ch** (in Germ. *Ich*, or **h** in Engl. *buge*), **sh**, French **j**. (The Italian **c** (in *cima*) i.e. English **ch** (in *church*), and Italian **g** (in *giro*) i.e. English **j** (in *join*), which are sometimes classed as *palatals*, appear to be really double consonants; viz. **ch** = **tsh**; **j** = **dzh** where **zh** is French **j**.)

(d) Consonants formed at or just above the teeth are called *Dental*; viz. **t, d, n**; **th**; **s, z**.

(e) Two other consonants, called *Lingual* consonants or *liquids* (or *trills*), are **r, l**. **r** is caused by the breath passing over the tip of the tongue, which is more or less vibrated: **l** is caused by the breath passing over the sides of the back of the tongue, which is then removed from its position to complete the sound. For an **r** (common in France), caused by vibration of the uvula, see App. A.

4. If the uvula be lowered so as to obstruct the passage of the air through the mouth, but allow it to vibrate in the cavities of the nose, a *nasal* sound is produced. If the organs are otherwise in the positions required for **b, d, g**, but the air passes into the nose, the nasal consonants **m, n, ng** (a single sound as in *sing*) are respectively produced. (The palatal **n** has much the same sound as a dental **n**.)

The nasals resemble the *explosive* consonants in requiring a vowel before and after to give the full effect; they resemble the *continuous* consonants in the possibility of continuing the sound, which is however that of the first half only of the consonant.

5. The semivowels **w** and **y** will be best described after the vowels (§ 23).

Another letter has yet to be noticed, viz. **h** (*spiritus asper*). This is a mere expulsion of breath through the perfectly open glottis, i.e. with the vocal chords apart, not approximated and vibrating. **h** stands to the vowels, as **p** to **b**, **k** to **g**, &c.

(If **h** is breathed immediately after an explosive consonant we get sounds, represented in Greek, viz. $\phi = p + h$, $\chi = k + h$, $\theta = t + h$, and in Sanscrit (**g + h** &c.). A strong articulation of consonants e.g. by Scotchmen or Irishmen gives a similar sound.)

There is also a very slight sound heard before any initial vowel, and best caught when two vowels come together, but are pronounced separately, as in *go over*. This is rarely expressed by any letter. It is the *spiritus lenis* of the Greeks.

The principal sounds in European languages may be tabulated as follows, the letters being supposed to be sounded as in English, except where it is otherwise stated.

	EXPLOSIVE.		NASAL.	FRICATIVE.	
	Sharp.	Flat.	Usually flat.	Sharp.	Flat.
LABIAL.	p	b	m	{ wh ¹ labial f	w ¹ labial v
LABIODENTAL.				ordinary f	ordinary v
GUTTURAL.	k	g hard	ng	{ ch in Scotch <i>loch</i> (Germ. ch after a or o)	g in Germ. <i>tage</i>
PALATAL.				{ h in <i>huge</i> (nearly Germ. ch after i or e)	y nearly g in Germ. <i>wiege</i>
LINGUAL.				{ sh whispered r	zh (French j) r
DENTAL.	t	d	n	{ Welsh (?) ll s th (in <i>thin</i>)	l z th (in <i>then</i>)

It may be added that s, z, and sometimes sh and French j are called *sibilants*.

CHAPTER II.

COMBINATION OF CONSONANTS.

SINGLE consonants may be sounded either before or after a vowel. But the semivowels y and w are sounded only before a vowel.

A continuous consonant has always the same sound whether its vowel be before or after: but an explosive consonant has not the same. The full pronunciation of an explosive consonant requires both the closing and opening of the organs. Thus in *ap* only half the p is properly sounded: in *pa* we have the other half. The full pronunciation is heard in *apa*, or, as commonly written, *ap-pa*. In *ap-ka* the first half of p and the second half of k is sounded.

Writing consonants double has either an *etymological* origin, when it is done to preserve the memory of distinct sounds now lost; e.g. *ac-cedo* for *ad-cedo*; *ἅλλ-ος* compared with *all-us*; &c., or a *phonetic* origin, as in English it is used to distinguish a short accented vowel from a long one, e.g. *kite*, *kitten*; &c. In either case the consonant is wholly pronounced once only.

¹ The continuous part of the sound wh is really a *blowing*, the continuous part of w is the vowel u.

Two or more consonants may be pronounced with only one vowel, but the possible combinations are somewhat different, when the vowel is *before* the consonants and when it is *behind* them. When the vowel is sounded after the consonants, the combination may be called *initial*; when the vowel is before the consonants, *final*.

(The Germans give the name *Anlaut*, *Inlaut*, *Auslaut* (on-sound, in-sound, out-sound) to the sound of a consonant with the vowel following, on both sides, and preceding, respectively.)

An *Initial*¹ combination may not consist of a liquid or nasal followed by any other consonant, except that an *m* may be followed by *n*, nor of a fricative, except a sibilant, followed by an explosive: nor of two explosives unless the former of the two be a labial or guttural, the latter a dental. Semivowels are never followed by any consonant.

Of the rarer combinations may be given as instances:

Greek, *τλάω*, *πτύω*, *κτείνω*, *ψεύδω*, *ξαίνω*, *μνήμα*, *φθίνω*, *χθές*.

German, *Pfanne*, *Pflaum*, *Pfropf*, *Zerren* (i.e. *tserren*).

A *final* combination may not consist of a nasal preceded by any consonant, except a liquid; nor of a liquid preceded by any consonant, except that *l* may be preceded by *r*; nor readily of two explosives or two fricatives, unless the latter of the two be a dental: e.g. *akp*, *apk*, *atk*, *atp*, seem harsher than *akt*, *apt*; and (taking *th* as in English and *ch* as in German) *athf*, *asf*, *athch*, *afch*, than *afth*, *asf*, *achth*, *achf*.

Instances of the rarer combinations are

English, *film*, *kiln*, *strength*, *watch*, *texts*, *cringed*.

German, *kopf*, *dumpf*, *obst*, *balgst*, *birgst*.

Neither in initial nor final combinations are sharps pronounceable before flats, or readily flats before sharps. When they occur together in writing, the former of the two, if a sharp, is usually changed in speaking into the corresponding flat; if a flat, into the corresponding sharp. Sometimes the latter is changed, to suit the former, which is retained: e.g. *obst* is either pronounced *opst*, or *obzd*. (But *midst*, *striv'st*, *bugg'st* are pronounced without this change.)

Nor can either an initial or final combination contain more explosives than two, with or without a fricative before or after each.

A syllable is such a sound or combination of sounds as can be uttered with one breath. It may consist of a vowel (or diphthong) only, or of a vowel (or diphthong) combined with one or more consonants.

A word consists of as many syllables, as it has vowels separately pronounced.

¹ The languages of the Græco-Latin and Teutonic stocks are alone regarded in the following statements.

A single syllable may contain a vowel with two or more consonants on each side of it. Two consecutive syllables may therefore, if the first ends and the second begins with a combination of consonants, bring together in the middle a twofold aggregation of consonants. 15

The aggregation of consonants in the middle of a word is limited only by the necessity of its being capable of precise division into a pronounceable final combination followed by a pronounceable initial combination.

But in ordinary pronunciation a consonant between two vowels is uttered partly with both. The real division of the syllables is therefore neither before nor after the consonant, but in the middle of it, i.e. after the closing of the organs and before the opening.

Accordingly a valid aggregation of consonants in the middle of a word must be such that some one of the consonants shall fitly close the first syllable, and also open the second syllable: e.g. *actra* is divisible into *act-tra*; but *act-pra* is not divisible into *act-tpra* or into *actp-pra*, *tpra* not being a possible initial combination, nor *actp* a possible final combination.

The division of a word into syllables is in modern languages 16 decided rather by the etymological than by a phonetic division. So far as this phonetic principle is disregarded, the word is either resolved not into separate syllables, but into separate words, or else a vowel is lightly interposed between the consonants by the opening of the organs to complete one consonant before uttering the next; e.g. *actpra* becomes *actëpra* or *acëtëpra*.

On the division in Latin, see Chap. XI.

CHAPTER III.

VOWELS AND COMBINATIONS OF VOWELS.

THE shape of the mouth determines the quality of the vowel. 17 There are two great agents in modifying vowel sound, the tongue and the lips. The tongue by the elevation of its hinder part towards the palate diminishes internally the oral channel: the lips being protruded lengthen the oral channel and contract the external aperture.

The purest and simplest vowel is Italian *a*, English *ah*. The 18 extremes are Italian *i* (i.e. English *ee*), being the vowel with the narrowest channel: and Italian *u*, English *oo*, the vowel with the longest channel and narrowest external aperture. Of these *a* is formed nearest to the guttural point of contact; *i* at the palato-dental point; *u* at the labial.

Other vowels, i.e. other modifications of vowel sound, may be 19 regarded as intermediate either between *a* and *i* (*lingual* vowels), or

between *a* and *u* (*labial* or *round* vowels), or partaking in some degree of the characters of both lines. Each vowel also may be *wide* or *close*, according as the pharynx (i.e. the cavity at the back of the tongue above the larynx) is more or less expanded.

It is difficult to put any precise limit to the number of possible vowels, most nations, and, indeed, most individuals, differing more or less from one another in vowel pronunciation. But the vowels most worth notice for an English student of Latin are given in the following list. All may be either long or short. (Ellis's palæotypic symbols and Bell's names are subjoined to each. Most of the parallelisms are from Ellis.)

1. Germ. *a* (*a*. 'Low back wide'). Scot. *măn*; Germ. *mănn*, *măhnen*.

2. Ital. *a* (*a*. 'Mid back wide'). Engl. *făther*; Ital. *mătto*, *măno*; Fr. *chătto*.

3. A common Engl. vowel (*ə* or *ʔ*. 'Mid mixed' or 'Mid back'). Engl. *űp*, *sőn*, *does*; nearly *tailor*, *paper*; long in *urn*, *word*, *fern*, *bird*; nearly Fr. *que je me repente*.

4. Ital. close *o* (*u*h. 'High mixed wide round'). Ital. *croce*, *dolce*, *Roma*. It sounds to English ears between 3 and 9, but nearer 9.

5. Engl. short *o* (*o*. 'Low back wide round'). Engl. *odd*, *doll*, *John*, *dog*.

6. Engl. *aw* (*A*. 'Low back round'). Engl. *awed*, *tall*, *pawn*; Austrian *a*; short in Engl. *august*.

7. Ital. open *o* (*o*. 'Mid back wide round'). Cumberland *home*; Ital. *uomo*; French short *o*, e.g. *homme*; Germ. short *o*, e.g. *gold*.

8. French *au* (*o*. 'Mid back round'). Engl. *őmit*, *window*, *home* (but cf. § 21); Germ. long *o*, e.g. *gross*.

9. Engl. short *u* (*u*. 'High back wide round'). Engl. *pull*, *book*, *wood*.

10. Ital. *u* (*u*. 'High back round'). Engl. *brute*, *rule*, *do*, *mood*; short in French *poule*, *coupe*.

11. French *eu* (*œ*. 'Mid front wide round'). Fr. *peur*, *jeune*; Germ. *ö*, e.g. *böcke*, *Göthe*.

12. French *u* (*y*. 'High front wide round'). Devonshire *combe*, *you*; French *du*, *hutte*; Germ. *ü*, e.g. *lücke*, *Müller*.

13. Engl. short *a* (*æ*. 'Low front wide'). Engl. *hăt*, *măn*; long in (sometimes) *half*, *ask*, and in Somersetshire *Băth*.

14. Ital. open *e* (*E*. 'Low front'). Scot. *ell*, *pet*; Ital. *bello*, *letto*, *bene*, *Galileo*; Germ. *ä*, e.g. *Văter*; Fr. *même*.

15. Engl. short *e* (*e*. 'Mid front wide'). Engl. *ell*, *pet*, *men*; Scot. *ill*, *pit*; Germ. *fett*, *eben*; Fr. *elle*, *les*.

16. Ital. close *e* (*e*. 'Mid front'). Engl. *a* in *aerial*; Ital. *quello*, *detta*, *remo*; Fr. *é*, e.g. *été*.

17. Engl. short *i* (*i*. 'High front wide'). Engl. *shin*, *fit*, *pity*; the long sound is heard in singing and in Icelandic.

18. Ital. *i* (*i*. 'High front'). Engl. *machine*, *feet*; Scot. *pity*; the ordinary Fr., Germ., and Ital. *i*.

Of these 5 to 18 may be arranged tabularly from their common base *a* to each of the extremes:

Labial.		Labio-lingual.		Lingual.	
Wide	Close	Wide	Wide	Close	
5	6		13	14	
Engl. short <i>o</i>	Engl. <i>aw</i>		Engl. short <i>a</i>	Ital. open <i>e</i>	
7	8	11	15	16	
Ital. open <i>o</i>	French <i>au</i>	French <i>eu</i>	Engl. short <i>e</i>	Ital. close <i>e</i>	
9	10	12	17	18	
Engl. short <i>u</i>	Ital. <i>u</i>	French <i>u</i>	Engl. short <i>i</i>	Ital. <i>i</i>	

A *diphthong* is the sound made by the voice while passing from one vowel position to another. The precise sound varies according to (1) the quality of the limiting vowels; (2) the distance between them; (3) the evenness of the rate of speed. The most usually recognized diphthongs are formed when the passage is from an open to a close position, i.e. when the initial position is nearer to *a*, and further from *i* or *u* than the final position is.

The following may here be noted, the limiting vowels being denoted by their numbers in the list given above. (Ellis' symbol is added in brackets. On diphthongs with Engl. *r* see Appendix A.)

- 2 to 10 (au). Germ. *haus*, *laut*.
- 3 to 10 (əu). Engl. *now*, *bough*, *house*, *loud*.
- 8 to 10 (oou). Southern Engl. long *o*, the second element being faint, e.g. *no*, *bone*, *hose*.
- 13 to 10 (æu). Cockney *town*.
- 15 to 10 (eu). American *town*; Ital. and Span. *Europa*.
- 2 to 18 (ai). Engl. *ay* (*yes*), a broad sound of *i*, *Isaiah*; Germ. *hain*, *Kaiser*, *theil*; Ital. *ai* (with first element prolonged), *daino*, *laido*; French *ai* (with second element prolonged), *faience*.
- 3 to 18 (əi). Engl. long *i*, e.g. *fine*, *eye*, *buy*, *die*.
- 13 to 18 (æi). Cockney and Scotch long *i*.
- 16 to 18 (eei). Southern Engl. long *a*, the second element being faint; e.g. *fate*, *fain*, *feint*.
- 5 to 18 (oi). Engl. *oi*, e.g. *boil*, *boy*, *oyster*.
- 7 to 12 or 18 (oy or oi). Germ. *eu*, e.g. *heute*, *euch*.

A diphthong sometimes gives way to an intermediate vowel, which yet is often written as a diphthong. Comp. Germ. *au*, *ai* with French *au*, *ai*. Again, an intermediate vowel is sometimes resolved into a diphthong; e.g. Cockney *au* for *ō*.

The sounds represented in English by *w* and *y* when initial are usually called *semivowels*. They easily arise when the voice passes from a closer to a more open vowel position; i.e. *w* in passing from *u* or *o*, *y* in passing from *i* or *e*, backwards towards *a*. The consonantal character (compare Engl. *w* with Fr. *ou*) is produced by very slight pressure of the lips in the case of *w*, of the tongue and palate in the case of *y*, followed by instant separation.

CHAPTER IV.

LAWS OF PHONETIC CHANGE¹.

i. PHONETIC change in words is either *voluntary*, e.g. such as ²⁴ is made for the purposes of inflexion, or *involuntary*. The latter alone is the subject of the following statements.

ii. Involuntary phonetic change is the result of a struggle be- ²⁵ tween the physical tendency to reduce the effort of articulation, and the intellectual or instinctive desire of preserving any parts of the word which are characteristic of its meaning. The latter acts mainly by way of resistance.

e.g. *ab* is much seldomer changed in composition than *sub*, because of the danger of confusion with *ad*.

In the passive voice forms like *amabaris*, *amaberis*, *amareris* are shortened into *amabare*, &c., but *amaris* is not shortened to *amare* lest it should be confused with the present infinitive.

iii. The normal condition of these forces is one of apparent ²⁶ equilibrium, but really of slow conflict, which however is called into greater and more perceptible activity, when a new sound or syllable is added to the word, as is done by inflexion or derivation or composition in order to adapt the word to a modification or enlargement of the conception.

Sudden phonetic change.

iv. Such an addition may produce phonetic changes in two ²⁷ ways: (1) by its adding to the length or weight of the word; and (2) by its bringing into contact sounds, which do not then admit of easy articulation in their integrity.

¹ The illustrations throughout this Chapter are meant as illustrations only, not as in any way exhausting the phenomena. Many of the facts are stated more fully as regards Latin in the sixth and following Chapters.

v. So far as such an addition lengthens a word, there is a tendency to counteract this in other ways, especially

1. by omitting short unaccented vowels; e.g. *audacter* for *audaciter*; *jurgium* for *jurigium*; *disciplina* for *discipulina*, &c.

2. by omitting entire syllables; e.g. *homicidium* for *homicidium*; *veneficium* for *venenificium*; *viginti* for *divi-decen-ti*; *corpulentus* for *corporulentus*; *voluntas* for *voluntitas*, &c.

Compound verbs rarely retain the reduplication in the perfect; e.g. *tango*, *tetigi*, but *contingo*, *contigi*.

So in French *semet ipsissimum* becomes in old Provençal *smet essme*; in Provençal *medesme*; in old French *meisme*; in modern French *même*. *Maleaptus* becomes Prov. *malapti*; Ital. *malato*; French *malade*.

In English *Cbolmondeley* is pronounced *Chumley*; *Brightbelmstone*, *Brighton*; *Wymondham*, *Wyndham*; *Towcester*, *Towster*; *Marjoribanks*, *Marchbanks*; *Cirencester*, *Cicester*; &c.

3. by slurring over the final syllable, which in Latin is always unaccented; e.g. *amavēre* for *amavērunt*; *amatōr* for *amatōr*, &c. Each of these changes may again bring incompatible sounds into contact.

vi. The incompatibility of neighbouring sounds may be absolute, or only relative to other combinations ready at hand to replace them. That is, it may be impossible to pronounce two neighbouring sounds, or, at least, it may be much easier to pronounce other sounds nearly allied to the more difficult sounds.

Thus we have *suggero* as well as *succurro*, though *subgero* contains no such incompatibility as *subcurro* does.

vii. Sounds are incompatible either from requiring very different positions of the organs, or from being respectively voiced and voiceless (flat and sharp).

viii. When two incompatible sounds would otherwise come together, usually the difficulty is foreseen, and instead of the organs being left, after pronouncing the former, to do what they can with the latter, the anticipation works a change in the former, or at least acts so as to preserve the latter. (But the reverse is sometimes the case¹.)

¹ When the former of the two consonants or vowels is changed to suit the latter, the assimilation is called *regressive*; when the latter is changed to suit the former, *progressive*.

The former is either made compatible with the latter by partial assimilation, or by complete assimilation, or the former is omitted altogether, or other changes are made. And the change thus produced may propagate effects still further back.

ix. The phenomena are naturally divided into four classes, ³² according to the nature of the sounds brought into contact:

1. Consonant + consonant; 2. vowel + consonant; 3. consonant + vowel; 4. vowel + vowel.

I. CONSONANT + CONSONANT:

33

(a) Partial assimilation.

Thus, voiced are changed to the corresponding voiceless consonants; e.g. *sub-porto* to *supporto*; *scrib-tus* to *scriptus*; *ag-tus* to *actus*; *aug-si* to *auc-si* (*auxi*), &c.

Again a nasal of one organ is changed to that of another; e.g. *com-tero* to *contero*; *exim-de* to *exinde*; *in-pero* to *impero*, &c.

Analogous to this is the change of an explosive to a continuous consonant as seen in *lg, rg, ll, rr*, changing a *following* suffixed *t* to *s*; e.g. *mulg-mulsum*; *curro, cursum*, &c.

(b) Complete assimilation is found, chiefly, either (a) when ³⁴ both consonants belong to the same organ, or (β) in the case of prepositions in composition; (γ) rarely otherwise.

e.g. (a) *cessi* for *ced-si*; *fossus* for *fod-sus*; *pos-sidere* for *por-sidere*; *summus* for *sub-mus*; *gemma* for *gen-ma*; *sella* for *sed-la*; *puella* for *puer-la*; *columella* for *columen-la*; &c.

(β) *ad* in compounds *ap-pello, accurro, aggero, afficio, attraho, assideo, arrideo, allicio*, &c.

ob in *oppono, occurro, officio, oggannio*, &c.; *sub* in *suppono, summoveo, succurro, sufficio, suggero*, &c.

ec- in *effero, effugio*, &c.; *dis* in *diffugio*, &c.; *com* in *corruo, collido*, &c.

(γ) *pressi* for *prem-si* (*pren-si*); *flamma* for *flag-ma*, &c.

(c) Omission: the preceding vowel is often lengthened:

35

(a) *Medial*: before *c*; e.g. *hoc* for *hodce*.

Before nasals; e.g. *exāmen* for *exāg-men*; *jūmentum* for *jūg-mentum*; *cæmentum* for *cæd-mentum*; *semestris* for *ses-inestris*; *pono* for *posno*; *lūna* for *luc-na*; *dēni* for *dēc-ni*; *satin'* for *satiane*; &c.

Before **t**; e.g. **nītor** for **gnītor** (§ 110); **autumnus** for **auctumnus**.

Before **d**; e.g. **jūdex** for **jusdex**.

Before **s**; e.g. **sustollo** for **substollo**; **ostento** for **obstento**; **asporto** for **absporto**.

Before **l**; e.g. **quālus** for **quas-lus**.

Before **j**; e.g. **dījudico** for **disjudico**; **rējectus** for **redjectus**; **pējero** for **perjēro**; **mājor** for **magjor**.

Before **v**; e.g. **brēvis** for **bregvis** (§ 129).

The middle of three consonants is frequently omitted; e.g. **fulmen** for **fulgmen**; **fultus** for **fulctus**; **mul-si** for **mulgsi**; **pars** for **parts**. Comp. **pergo** for **perrigo**; **surpuit** for **surripuit**, &c.

(β) *Initial*: e.g. **lamentum** for **clamentum**; **lis** for **stlis**; **bonus** for **dvonus**; **Janus** for **Djanus**; **nītor** for **gnītor**, &c.

(γ) In *final* syllable; e.g. **cor** for **cord**; **lac** for **lact**; **con-sul** for **consuls**; **equēs** for **equets**; **pes** for **peds**, &c.

(d) Dissimilation: e.g. in order to avoid the recurrence 36 of **l**, the suffix **alis** is frequently changed after **l** to **-aris**; e.g. **puerilis**, but **puellaris**, &c. Similarly **Parilia** from **Pales**.

(e) Insertion; e.g. **sumptus** for **sum-tus**; **hiemps** for **hiems**, 37 &c.

So also in early Latin; e.g. **Alcumena** for **Ἀλκμήνη**; **Tecumessa** for **Τέκμησσα**; **Æsculapius** for **Ἀσκληπιός**.

In Greek **ἀνδρός** for **ἀνέρος**; **μεσημβρία** from **μέση ἡμέρα**.

In French **chambre** from **camera**; **tiendrait** from **tenir**; **bumble** from **humilis**; **nombre** from **numerus**.

In German **wesentlich**, **namentlich** for **wesenlich**, &c.; **Fändrich** for **Fänrich**; **aendlich** (in rustic dialect) for **ähnlich**; in Dutch **Hen-drick** from **Henricus**, &c.

(f) Transposition:

38

(a) of two consonants; e.g. **mixtus** for **misctus** (as some think: but cf. § 635). So in Greek **ἔσχατος** for **ἐξάτος**, superlative of **ἐξ**; English **wasp**, dialectically **waps**.

(β) of liquid (**r**, **l**) with succeeding vowel; e.g. **stra-**, **sterno**; **spre-**, **sperno**; **cre-**, **cerno**. So in Greek **καρδία** for **κραδία**; **δρακ-**, **δέρκω**; &c. **dulcis** compared with **γλυκός**; in English, **purty** for **pretty**; **burn** for **bren**; **firth** and **fritb**; **Althorp** pronounced **Altrup**; &c.; and all terminations in **-bre**, **-cre**, **-gre**, **-tre**; **-ble**, **-cle**, **-gle**, **-tle**, pronounced **ber**, **cer**, **ger**, **ter**; **bul**, **cul**, **gul**, **tul**.

(g) The combinations **dt**, and (almost always) **tt** appear to have been unbearable; hence they are usually changed to **ss**, apparently by the latter letter being changed to **s** and then the former assimilated to it; e.g. **cessum**, **missum** for **ced-sum**, **mit-sum** from **ced-tum**, **mit-tum**. (But **mitto**, **quattuor**, &c. are allowed.)

2. VOWEL + CONSONANT.

39

(a) The vowel **ø** is substituted or retained before **r** (also **br**, **tr**) in place of **i**; e.g. **pārio**, **pepēri**, **compērio** compared with **cādo**, **cēcīdi**, **concido**; **fēro**, **refēro** with **lēgo**, **colligo**; **funus**, **funēris** with **homo**, **homīnis**; **anser**, **ansēris** with **ales**, **alitis**; **regeris** from **regis**; &c.

In **feri**, **fierem** (for **firi**, **firem**) **e** is inserted (or not absorbed) before **r**. So in English *mire*, *fire* pronounced *mier*, *fier*.

(b) If **a** precedes two consonants, of which the first is **i**, **a** is changed into **u** instead of into **e**; e.g. **salsus**, **insulsus**, compared with **cantus**, **concentus**; **calco**, **conculco**, with **tracto**, **contrecto**, &c.

il prefers **e**; e.g. **vello**, **vulsum**; **pello**, **pulsum**; &c.

Before a single **i**, **ø** is changed to **ū** (or retained) instead of being changed to **i** (unless **i** follow; cf. § 41); e.g. **populus**, **populus**; **ἐπιστολή**, **epistula**; compared with **homo**, **homīnis**; **λέγομεν**, **legimus**, &c.

(c) **ø** is found before two consonants, where **i** is found before a single consonant; e.g. **scando**, **conscendo** compared with **cano**, **concino**; **nutrimentum** compared with **nutriminis**; **biceps** with **bicipitis**; &c.

(d) **ū** was preferred to **i** before **m** (at least before Cæsar's time); e.g. **maxumus**, **documentum**, **drachuma**, &c.

3. CONSONANT + VOWEL.

40

(a) The vowel **i** when following **c**, **g**, **t**, **d** assibilated the preceding consonant in late Latin, and languages thence derived. Hence we pronounce *nation*, *nasbon*; *musician*, *musisbon*. The Italians pronounce **c** as English **ch**, in *Cicero*; **gi** as English **j**, in *collegiato*, *religione*, &c., and have *Marzo* from **Martius**; *palazzo* from **pala-tium**; *mezzo* for **medius**, &c.

The French have assibilated **c** before other vowels; e.g. *chambre* from **camera**; *chien* from **canis**; *cheval* from **caballus**; &c.

(b) The vowel **ø** was retained (to avoid confusion) after the consonantal **v** (§§ 93, 213) for a considerable time after it had given place in other words to **ū**; e.g. **equos**, **quom**, **servos**, &c. were not changed to **equus**, **quum**, **servus**, &c. till long after **dominos** (nom. sing.), &c. had given place to **dominus**, &c. In English *want*, *was*, *war*, &c. the sound of **a** has been partially assimilated to **w**.

4. VOWEL + VOWEL.

41

(a) Though **i** has a liking for **u** (or earlier **o**) before it, yet if **i** follows, **i** also precedes: hence **similis**, **facilis**, compared with **simulo**, **simultas**, **facultas**; **inquilinus** from **incola**; **Æmilius**, **familia**, **exsillum**, compared with **semulus**, **famulus**, **exul**, &c.

(b) A similar assimilation is seen in **bene** for **bone**; **soboles** for **suboles**; **socordia** for **secordia**; **solvo** for **se-luo** (Curtius).

In German this principle has a much wider application, under the name of *Umlaut*, when **a**, **o**, **u** of the stem are changed to **ä**, **ö**, **ü** in consequence of an **i** or **e** in the termination, e.g. *Glas*, *Gläser*; *Schloss*, *Schlösser*; *Kuh*, *Kübe*; *Kunst*, *künstlich*; *flog*, *flöge*; &c.

x. The usual changes are sometimes foregone from dread of some characteristic part of the word being obscured. Hence (1) sometimes an unstable combination of sounds is preserved, especially where it is the result of previous changes: (2) sometimes the incompatibility of sounds is removed by other methods than those usual.

(1) Thus **ars**, **puls**, **amans**, **frons** are allowed to remain because they are for **arts**, **pults**, **amants**, **fronds** or **fronts**; while **pater**, **consul** have thrown away the **s**, and **homo**, **sermo** for **homons**, **sermons** have thrown off **ns**. In **fers** (so also in **vis** for **vils**) the **s** is preserved as the sign of the second person.

(2) In **tonstrix** for **tondtrix** the suffixed **t** is preserved, because **tonsrix** would be contrary to Latin pronunciation; **tonsor** for **tondtor** follows the ordinary rule by which **dt** becomes **ss** or **s**.

In **pietas**, **societas**, **ebrietas**, &c., the **o** of **pio-**, **socio-**, **ebrio-**, is changed to **e** instead of to **i** (as in **bonitas**, &c.), because **piltas** would have become **pitās**, &c.

Gradual Phonetic Change.

xi. The more gradual phonetic changes, not caused by any sudden derangement of the balance, take place mainly according to the following laws or tendencies:

1. A position of the organs requiring greater exertion is changed for one requiring less exertion.

2. The change is either between sounds of different characters (sharp, flat, nasal, fricative) uttered at the same part of the mouth; or

3. A sound made in the more forward part of the mouth is substituted for one which should have been made further back.

xii. The result of these tendencies (when uninfluenced by the 44 neighbouring sounds) is that

(a) Explosive sounds change to fricative, not the reverse¹.

c = k to c = s; e.g. *centum* (= *kentum*), Fr. *cent*.

k to ch Fr., (sh Engl.); e.g. *caballus*, Fr. *cheval*.

g to y; e.g. *Geist*, Berl. *Jeist*; Germ. *Gestern*, Engl. *yester-day*.

t to s; e.g. Indo-Europ. Lat. *tu*, Doric *τυ*, Attic *συ*.

g to Fr. j; e.g. *pagina*, Fr. *page*.

d to l; e.g. *δάκρυ*, Lat. *lacruma*; 'Οδυσσεύς, *Ulixes*.

d to th; e.g. οὐδέν, modern Greek δέν, pronounced as English *then*.

b to v; e.g. *habere*, Ital. *avere*. So Greek β = b has become in modern Greek a labial fricative, between our v and w.

p to v; e.g. *sapere*, Fr. *savoir*; *fabula*, Fr. *fève*.

So the three aspirates χ, θ, φ, once pronounced k + h, t + h, p + h, are in modern Greek fricative; viz. ch Germ., th, f. And the Latin h and f are representatives of earlier aspirates.

(b) Gutturals change to palatals and dentals, not the reverse. 45
Thus c = k changes to c = Eng. ch; e.g. *Cicero* (Κικέρων) to Ital. *Cicero*: *caseus*, Germ. *Käse*, Engl. *cheese*.

hard g to g = Engl. j; e.g. *gyrus*, Ital. *gire*.

The labials conform apparently to no definite law.

(c) Of the liquids &c., r appears to be older than l, Greek 46 and Latin often giving l where Sanscrit has r. In the Romance languages they interchange both ways; e.g. *peregrinus*, Ital. *pellegrino*; *Tibur*, Ital. *Tivoli*; *lusciniolus*, Ital. *rossignuolo*; *apostolus*, Fr. *apôtre*; &c.

N also passes into either, and sometimes vice versa; e.g. *Bononia*, Ital. *Bologna*; *venenum*, Ital. *veleno*; *lamella*, Provençal *namela*; *hominem*, Span. *bombre*; *tympanum*, Fr. *timbre*. In Greek, ἐλθεῖν is in Doric ἐνθεῖν; φίλτατος, φίντατος; &c.

m appears to be earlier than n; e.g. Sanscrit *damam*, (Lat. *domum*), Gr. *δόμον*; *rem*, Fr. *rien*, &c.

s changes to later r in Latin; and to the rough breathing in Greek; e.g. *arbosem*, *arborem*; Sansc. *saptan*, Lat. *septem*, Gr. *ἐπτά*, &c.

¹ See Curtius, *Gr. Etym.* p. 385, ed. 2.

H in Latin becomes in French almost always inaudible: l is often omitted or sounded as y; final s is not sounded; and the nasals merely give a twang to the vowels.

(d) In the case of the vowels a appears to have been earlier 47 than o and e, and changes through them respectively to u and i. Thus Sanscrit frequently has a, where Greek and Latin have the more forward vowels. In Latin the order of priority is a, o, u, e, i, not the reverse. (See § 196.)

xiii. By a similar laxness of pronunciation parasitical sounds 48 often arise, the organs assuming a position for one sound in the effort to reach or leave the position required for another sound.

Thus from Latin *vastare* comes Ital. *guastare*; from *vadium*, *guage*; from *vespa*, French *guêpe*; &c. The same was perhaps the case with *vivo* compared with *vie-ai*, as if from *vigvo*; (see § 129 c).

So in English a parasitical d becomes attached to n in the vulgar pronunciation of *gown* as *gownd*; *drowned* as *drownded*¹.

Y is by some speakers inserted before i (=ai) in *guide* pronounced *gyide*; *kind*, *kyind*; *sky*, *skyi*; &c.: and before u, e.g. *duty*, usually pronounced *dyooty*; *music*, *use*, &c., always pronounced *myoosic*, *yoos*; &c. But see App. A. xx, xxv.

After a broad a = ah or er, a slight raising of the tip of the tongue suggests to some speakers a vibration, and an r is the result; e.g. *Emma Ann* becoming *Emma ran*, &c.

xiv. The difficulty of uttering a particular sound varies with 49 different individuals, sometimes from want of practice, sometimes from organic defect; and where there is no absolute incapacity or even difficulty, there is often a greater tendency for the organs to assume one position, and consequently to pronounce one sound, rather than another.

Thus in English we have persons pronouncing *rake* for *lake*; *lake* for *rake* (cf. Aristoph. *Vesp.* 45); *tbin* for *sin*; *dound* for *round*; *wun*, *gween*, for *run*, *green*; *bat* for *at*, and *at* for *bat*; *wine* for *vine*, and *vine* for *wine*; &c. Foreigners often pronounce *tree* and *dat* for *three* and *that*

xv. As with individuals, so with tribes and nations. Certain 50 sounds and certain classes of sounds are preferred or avoided, are frequently or never pronounced. In this way the same word may, when tribes separate from a common stock, assume gradually a

¹ Prof. Key considers this tendency to have been widely operative in language. *Essays*, p. 204 foll.

somewhat different shape (even apart from inflexions) in one tribe from what they bear in another, each tribe fixing differently an ambiguous or intermediate sound, or developing it in a different way. A few illustrations only can be given, (1) of the absence or presence of certain sounds in nations¹; (2) of the different shapes the same root assumes in different languages.

1. (a) The dentals appear to be the easiest sounds, for they are usually the first uttered by children and they are the most universal. But it is said the voiced dental *d* does not occur in Chinese, or in the Mexican and other American languages.

(b) Several of the Polynesian languages have no gutturals; and several of the North American have no labials. In the language of the Sandwich Islands the gutturals and dentals are indistinguishable. "It takes months of patient labour to teach a Hawaiian youth the difference between *k* and *t*, *g* and *d*, *l* and *r*." *Steel* is pronounced nearly as *kila*; *Cook* as *tute*; &c.

(c) Again the sharp and flat sounds are not distinguished in any Polynesian dialect. So the Welsh often pronounce sharp for flat; e.g. *pet* for *bed*: and the inhabitants of Saxony are said not to know the distinction. Cf. App. A. vii.

(d) The Sanscrit has aspirated flat mutes (*b + h*, *g + h*, *d + h*); the ancient Greek had aspirated sharp mutes *p + h*, *k + h*, *t + h*; the Romans had neither.

(e) The labio-dentals denoted in English by *F* and *V* are absent from Hottentot and Australian languages, and probably from ancient Greek. *F* is absent also from Finnish, Lithuanian, Tamil, Burmese, &c.

(f) *R* is absent altogether from some American and Polynesian dialects: *L* is absent from Zend, Japanese, and several American and African tongues. The Chinese substitute *l* for *r*, saying, e.g. *Eulopa* for *Europa*, and (avoiding the pronunciation of two consonants together), *Ki-li-sse-tu* for *Christ*.

(g) The Arabic and cognate languages have peculiar guttural and gutturo-dental consonants. The Indian languages have a peculiar palatal class. The Hottentots accompany the pronunciation of other letters with peculiar clicks.

2. The variation of the same root in languages of the same stock is best illustrated by the law which Grimm (following in Rask's track) showed to prevail between the Sanscrit, Greek and

¹ These statements are chiefly from Max Müller, *Lectures, Second Series*, p. 167, &c.

Latin together, compared with the Gothic and low German dialects, on the one hand, and the old High German and its stock on the other, the one having an aspirated mute or fricative, where the second has a flat mute, and the third a sharp, and so on. *Initial* mutes exhibit the law most clearly, being freest from the influence of neighbouring consonants, and dentals most regularly. The English is here taken as the representative of Gothic, and the modern German as representative of high German.

{	Greek θ	θυγάτηρ,	θήρ,	θύρα,	μέθυ.	
	Latin f		fera,	fores.		
	English d	daughter,	deer,	door,	mead.	
	German t, or th = t	tochter,	thier,	thor,	metb.	
{	Greek δ	όδους,	δαμᾶν,	δύο,	ἔδω,	ὔδωρ.
	Latin d	dens,	domare,	duo,	edere,	unda.
	English t	tooth,	tame,	two,	eat,	water.
	German z or s	zahn,	zähmen	zwei,	essen,	wasser.
{	Greek τ	Dor. τυ	Att. συ,	τρεῖς,	τό.	
	Latin t	tu,	tres,	tenuis,	is-tud,	frater.
	English th	thou,	three,	thin,	that,	brother.
	German d	du,	drei,	dünn,	das,	bruder.

Similarly a Greek aspirate often corresponds to a Latin s.

xvi. It results from the action of these laws, both those of sudden and those of gradual change, that while the same word may under different influences give rise to variously modified forms, the same form may also eventually result from different original combinations of sounds.

e.g. *page* in English is in its different senses derived respectively from Greek παιδίον and from Latin pagina.

From the three Latin words *mare*, *major*, *mater* come three French words all pronounced alike; viz. *la mer*, *le maire*, *la mère*.

xvii. The introduction of foreign words into a language is subject to special phonetic conditions. One nation has rarely got just the same set of sounds as another, or allows the same combinations. Consequently in adopting a foreign word by the sound an approximation more or less clumsy has to be made, and a greater divergence is sometimes caused by the tendency to approximate to a familiar indigenous word, especially if it seem to afford an intelligible etymology.

e.g. the Romans had *Hercules* for Ἡρακλῆς; and in early Latin *tecina* for τέχνη; *Clutēestra* for Κλυταιμνήστρα.

The English pronunciation of such words as *pure* (*pyoor*) is said to be from an attempt to imitate the French *u*.

As errors caused by what has been called Popular Etymology may be quoted *Jerusalem artichoke* for *Girasol* which comes from *gyrus* and *sol*: *walnut*, which is from Angl. Sax. *wealb-knut*, i.e. foreign or Italian *nut*.

xviii. The use of letters reacts on the sounds. They rarely fit each other precisely to start with; and the pronunciation has a constant tendency to change, while the spelling remains. The letters then become symbols of different sounds from those proper to them, and sometimes are supposed to carry, and thence do carry these new sounds into other words. In the case of foreign names the want of correspondence in the alphabets is an additional cause of error to that named in the preceding paragraph.

CHAPTER V.

LATIN ALPHABET IN GENERAL¹.

THE alphabets of all Italian peoples were borrowed immediately from that of the Dorian Greeks of Italy and Sicily. The Roman or Latin alphabet was probably obtained from the trading colony of Cumæ. Its oldest form, as collected from coins and inscriptions, dating between the end of the Samnite wars (272 B.C. = 482 U.C.), and the end of the second Punic war (201 B.C. = 553 U.C.), contained the following twenty letters; **A, B, C, D, E, F, H, I, K, L, M, N, O, P, Q, R, S, T, V, X.**

The Romans appear never to have used the three aspirates which the Greek alphabet contained, **Θ, Φ, Ψ (=X)**: and there is but slight evidence of their having at first taken **Z**.

In the course of the century, 300 to 200 B.C., a modified form of **C**, viz. **G**, was introduced, in order to distinguish the flat from the sharp guttural; and **K** was used only in very few words. **Z**, if it ever had been in use, had passed out again. In Cicero's time or somewhat earlier, the characters **Z** and **Y** were used in writing words borrowed from the Greek.

The Romans devised a very simple nomenclature for the letters, the vowels being denoted by their own sound, the explosive consonants and **h** by a vowel after them, the fricative consonants by

¹ See Corssen, *Aussprache*, i. 1 foll. ed. 2.

a vowel before them. The vowel used for this purpose was *e*, excepting that the gutturals *k* and *h* were called *ka*, *ha*, *q* was called *qu*, and *x* was called *ix*.

The consonants were not, so far as we know, written double ⁵⁸ before Ennius (who is said to have introduced the practice), the first inscription containing doubled letters being A.U.C. 565: but from that period the practice began, and, if we judge from inscriptions, became predominant about the time of the Gracchi, and constant twenty years later. Plautus could have used the doubled letters only in his last years, if at all.

To denote the length of a vowel several methods were tried. ⁵⁹ (1) They doubled the vowel¹. This method introduced into Latin by the tragic poet Accius prevailed in inscriptions from about 130 to 75 B.C. It was also used by other Italian nations, but neither in Oscan nor Latin was *o* doubled. After Cicero and Cæsar's time the double *i* had a different meaning, the second *i* being a semi-consonant; e.g. *Pompeijus*, &c.

(2) The length of an *i* was often denoted by writing the diphthong *ei*, but also and most usually since Sulla's time by making the *i* taller than the other letters. In imperial times this sign appears to have sometimes stood between two vowels to denote the semi-consonant *I* (i.e. *J*). In later times, e.g. even in Domitian's reign, in some Spanish inscriptions the tall *I* is used indiscriminately for long and for short vowels, and also for the semiconsonant.

(3) Since about the time of Cicero's consulate, a long vowel was frequently denoted by an accent, e.g. *Júlió*: but this too came gradually to be misapplied.

The Emperor Claudius attempted to introduce three new cha- ⁶⁰ racters; viz. an inverted digamma (*Ƀ*) for *v* when used as a semi-consonant: a reversed Greek sigma (*Ϸ*) for the combination *bs* or *ps*: and the sign of the Greek spiritus asper (*ʼ*) for the middle sound between *i* and *u*; that is, according to inscriptions in which we find it used, merely to represent the Greek *υ* (not for the doubtful vowel in *max^u₁mus*, &c.). The first and the last of these new signs are found in inscriptions of this reign; the antisigma, as it was called, is not found.

The following table contains the letters of the Latin alphabet ⁶¹ with their signs and probable pronunciation, as inferred chiefly from the facts respecting the several letters given in the ensuing Chapters.

¹ Probably this is the meaning of the double *u* which occurs regularly in the gen. sing. and nom. and acc. plur. of *u* stems in MSS. of Pliny, &c.; e.g. *vagituus*, *specuus*.

Old signs (other than in next col.)	cir. 80 B.C. (Ritschl. tab. LXIX.)	Modern signs.	Name.	Pronun- ciation.	Greek letter for same sound.
Λ Λ Λ Λ Λ	A	A a	a	ab	A
Β Β	B	B b	be	b	B
<	C	C c	ce	k	K
Δ	D	D d	de	d	Δ
Ε Ε ||	E	E e	e	{ Ital. open e?	H for ε (E as Ital. close e)
Ϝ Ϝ ||	F	F f	ef	f	(cf. § 98)
Ϟ Ϟ	G	G g	ge	g (give)	Γ
	H	H h	ha	b (bat)	·
	I	I i	i	{ ee (feet) y (yes)	I
K		K k	ka	k	K
Λ	L	L l	el	l	Λ
Μ Μ	M	M m	em	m	M
N	N	N n	en	{ n ng	N Γ
Ο Ο Ο	O	O o	o	{ Ital. open o?	Ω for ο (O as Engl. omit)
Ρ	P	P p	pe	p	Π
Ϛ	Q	Q q	qu	k	K
R R	R	R r	er	r (trilled)	P
Σ Σ	S	S s	es	s (sharp)	Σ
T T	T	T t	te	t	T
		U u }	u	{ Engl. oo: Engl. w (or Fr. ou in oui)	OY: F, later OY
V	V	V v }			
X	X	X x	ix	x	Ξ
Y		Y y (Ypsilon)	u Fr.		Υ
		Z z (Zeta)	(cf. § 195)		Z
Modern.	Pronunciation.	Greek.	Modern.	Pronunciation.	Greek.
AI ai	ay (= yes)	earlier AI	EU eu	Ital. eu	EY
AE ae	(cf. § 258)	later AI	OI oi	nearly oi (boil)	earlier OI
EI ei	Engl. (fate)	EI	OE oe	(cf. § 263)	later OI
AU au	Germ. au (haus)	AY	UI ui	as Fr. oui	(cf. § 222)
OU ou	Engl. o (note)	OY			

The Greek *υ* was Fr. *u*. (It did not correspond to Latin *u*, which Greek expressed by *ου*). The Greek *ω* was probably the sound of English *aw*. It must be remembered that the contraction of *oo* in Greek gives *ου*, not *ω*; of *εε* gives *ει*, not *η*. Moreover the name of *ο* was *οὔ*; of *ε* was *εἶ*. On the English *ō* and *ā* being really diphthongs, see § 24.

CHAPTER VI.

LATIN ALPHABET IN DETAIL.

LABIALS AND LABIODENTALS¹.

P.

CHARACTER: in the oldest inscriptions *Π* (but not after cir. 620 62 U.C.), then *Ρ*, last *P*.

SOUND: always the sharp labial mute; English *p*. Never aspirated, except in Greek words; e.g. *sphæra*, *philosophus*.

POSITION: never final, except in *volup* (for *volupe*). It can stand immediately in same syllable

1. before *l* or *r*; e.g. *plaudo*, *prandeo*, &c.
2. after *s*; e.g. *spatium*, *splendor*, *sprevi*, &c.

REPRESENTATION: (i) of Greek *π*. *πς* for *ψ*: e.g. *πνευματικός*, *pneumaticus*; *Πτολεμαῖος*, *Ptolemæus*; *ψάλλω*, *psallo*; &c.

2. rarely *β*; e.g. *θρίαμβος*, *triumpus* (later *triumphus*).

3. frequently *φ*; e.g. *πορφύρα*, *purpura*; *Δίφιλος*, *Πάμφιλος*, *Φιλονείκης*, *Dipylus*, *Pampylus*, *Philónices*; *Φαρνάκης*, *Parnaces*; &c. almost always in inscriptions before cir. 660 U.C. (see § 132).

¹ In the following account of each letter, the term *Representation* has been confined to the way in which one language transcribes the words borrowed from another: *Correspondence* to the etymological correspondence, i.e. the shape which the same stem, though forming perhaps a verb in one and a noun in another language, assumes in sister languages. The instances of *correspondence* are almost all selected from Curtius, *Griech. Etym.* 2nd ed. *Influence* is used for the way in which a letter affects others, *weakness* for the way in which it is affected by others. The *sound* is inferred from the facts here collected. Throughout, great help has been obtained from Corssen's *Aussprache*, &c., and in some parts from Luc. Müller's *De re metrica*.

(ii) in Greek by π; e.g. *Papirius*, Παπείριος (also Παπίριος); *capiteium*, καπιτώλιον; *Spurius*, Σπόριος; *Appius*, Ἀππίος; &c.

CORRESPONDENCE: 1. to an original Indo-European p.

66

2. to Greek π; e.g. *rāpio*, ἀρπ-άζω; *septem*, ἐπτά; *pāc-is-cor*, pang-o, pig-nus, πήγ-νυμι, aor. ἐπάγ-ην; *pater*, πατήρ; *imple-o*, *ple-nus*, πί-μ-πλη-μι, πλήθω; *pannus*, πῆνος; *pullus*, πῶλος; *palma*, παλάμη; *nēpos*, neptis, ἀνεψιός; *pīsum*, πῖσος; *pilleus*, πῖλος; *pluo*, πλέω, πλύνω; *pūs*, puteo, pūtris, πύον, πύθω; *pulmo*, πνεύμων, πλεύμων; &c.

3. to Greek φ; e.g. *cāput*, cāpillus, κεφαλῇ; *ops*, ἄφενος.

4. to Greek β in *pasco*, βόσκω.

5. rarely to Greek κ. So probably *lūpus*, λύκος; *spōlium*, σκύλον; *sāpes*, πρᾶσις, σηκός.

Possibly these Latin words may have been borrowed from the Umbrian or Oscan, in which p often corresponds to an original k.

SUBSTITUTION: p is often a substitute for b; e.g. *sup-porto* 67 for *sub-porto*; *op-timus* for *ob-timus*; *scrip-si*, *scrip-tus* from *scrib-o*; *op-sides* (in early inscriptions) for *ob-sides*; &c.

INFLUENCE: 1. before p the prepositions *sub*, *ob*, *ad* become 68 *sup*, *op*, *ap* in pronunciation, though not always in writing; e.g. *sup-porto*, *op-portunus*, *ap-pello*; &c. Possibly this was the original form of *sub*, *ob* (compare *super*, ἐπι).

2. requires a preceding nasal to be m, not n; e.g. *impar*, *com-porto*; &c. *ru-m-po* compared with *fu-n-do*.

WEAKNESS: 1. changed (cir. 650 U.C.) to b before l in the 69 word *publicus*, for *poplicus*, from *populicus* (old form *pouplioos*). So *Publius* is Πόπλιος in Polybius and Dion. H.).

2. becomes m before a nasal suffix; e.g. *som-nus* compared with *sōp-or*, *sōp-io*. And comp. *trēpidus* with *trēmo*.

INSERTION: 1. P is naturally pronounced in passing from 70 m to t or s or l; e.g. *sum-p-tus*, *sum-p-si*; *em-p-tus*, *em-p-si*; *tem-p-to* for the (etymologically better) form *ten-to*; *hiem-p-s* for *hiems*; *exem-p-lum*, from *exim-ēre*; *tem-p-lum*, comp. τέμενος. In *amp-sancti*, *am-p-lus*, the p may be for b in *amb-*.

2. In late imperial language we have *dam-p-num*, *calum-p-nare*, &c.

B.

CHARACTER: similar to modern B.

71

SOUND: the flat labial mute; English b.

72

In later Latin inscriptions, not frequently before the 4th century A.D., words were written with *v* for *b*, chiefly between vowels (e.g. *devitum*, *sivi*, *Lesvia*, *verva*), and *b* for *v* (e.g. *bolo*, *berba*, *bixit*; hence *Danubius* for the earlier and correct *Danuvius*), one or both having then perhaps the sound of labial *v*. The confusion is also found in the MS. of Gaius, and in the Florentine MS. of the Digest. *Flabio*, *Jubentius* are rare instances from the 2nd century after Christ. *Besbius* (cf. § 90. 3) for *Vesuvius* in Pompeian inscriptions.

POSITION: Final only in *ab*, *sub*, *ob*.

73

It can stand immediately in same syllable before *l* or *r*; e.g. *blandus*, *brēvis*, *brūma*, &c.

REPRESENTATION (i) in Greek by β; e.g. *Aboriginum*, 74 *Ἀβοριγίνων*; *Umbrici*, *Ομβρικοί*; *Bovillani*, *Βοϊλλανοί*; &c.

(ii) of Greek: 1. ordinarily β; *βάσις*, *basis*; *Βοιωτοί*, *Bœoti*; &c.

2. For φ and π Ennius always used *b*, at least in the words *Burrus* for *Πύρρος*, and *Bruges* for *Φρύγες* (Cic. *Or.* 48, § 160). Probably Ennius was following the etymological correspondence (see next section).

CORRESPONDENCE: 1. to an original Indo-European *b* or *bh*, 75 or, in the middle of a word, to an original *dh*.

2. to Greek β; e.g. *brevi*s, *βραχύς*; *bulbus*, *βολβός*; *balare*, *βληχάομαι*.

3. to Greek π; e.g. *ab*, *ἀπό*; *buxus*, *πύξος*; *carbasus*, *κάρπασος*; *lambē*, *λάβιον*, *λάπτω*, *λαφύσσω*.

4. medial *b* to Greek φ (frequently); e.g. *amb-*, *ἀμφί*; *ambo*, *ἄμφω*; *lābor*, *ἀλφ-άνω*; *umbo*, *ὀμφαλός*; *nūb-es*, *νέφ-os*; *orb-us*, *ὀρφ-ανός*; *sorb-eo*, *ρόφέω*; *glūbo*, *γλύφω*; *scribo*, *γράφω*. So probably the derivative suffix *-ber* (comp. *fero*) to *-φόρος* (*φέρω*); e.g. *salū-ber*, *candēla-brum*.

5. medial *b* to Old Italian *f*; e.g. *tribus*, Umbr. *trefu*; *stabile*, Umbr. *stafu*; *tibi*, Umbr. *tefe*; *sibi*, Oscan *sifei*.

SUBSTITUTION: 1. It is in several words a substitute for an 76 earlier *dv*. Thus *bis*, *bellum*, *Bellona*, *Bellius*, *bōnus* are for *dvīs*, *dvellum*, *Dvellona* (so in S. C. de Bacchan. 568 A.U.C.), *Dvellius*, *dvonus* (*dvonoro* i.e. *bonorum* in epitaph on Scipio, son of Barbatus,

cir. A.U.C. 500). C. Duellius the consul of 494 A.U.C. is said to have been the first of the family called Bellius¹ (Cic. *Or.* 45, § 153).

2. In a few words, it stands for medial *v* in order to avoid the combination *uu*. Thus *bubile*, *bubulus* from *bovile*, *bobulus*, when *o* was giving place to *u* (§ 213); *deferbul* from *deferueo*; *jūbeo* from a root *jou-* (comp. old perf. *jouai*, *jūro*).

INFLUENCE: It requires the preceding nasal to be *m*; e.g. *com- 77*
buro compared with *conduco*; *im-buo* with *in-duo*; *im-berbis*, *com-
blbo*, &c.

WEAKNESS: 1. Before a sharp (*s* or *t*), *b* is sometimes changed 78
to *p*; e.g. *scrip-si*, *scrip-tus* from *scrib-o*; *op-sequi* for *ob-sequi*; *op-
tineo* for *ob-tineo*, &c. In compounds with *sub*, *ob*, the inscriptions
before cir. 650 U.C. have *p*; later inscriptions and MSS. oscillate.
So occasionally *urps*, *pleps* for *urbs*, *plebs*. But in *os-tentum*, *sus-
cipere*, *sustuli*, *asporto*, &c. *b* in *obs*, *subs*, *abs* is omitted.

2. Before *c*, *g*, *p*, *f*, *sub* and *ob* are assimilated; e.g. *suc-curro*,
oc-cumbo, *suggero*, *suppono*, *suffero*, &c.

3. Before *f*, *ab* takes the form *au*; e.g. *aufugio*, *aufero* (but
abs-tuli, *ab-latum*); or *b* is dropped; e.g. *afui*, *aföre*. (On *af* see
§ 97 n.)

4. In *ōmitto*, *ōperio*, *oportunus* (if they are compounds) the *b*
is omitted. [Some consider the dat. abl. in *-is* to have arisen from
an omission of *b* (or *bh*), *filis* being for *filibus*.]

5. *b* becomes *m* before a nasal suffix; e.g. *sum-mus* for *sub-
mus* (for *sup-imus*); *scam-num* compared with *scab-ellum*; *sam-
nium* (ἡ Σαννίτις Polyb.) with *Sabini*. So perhaps *glōmus* is for
glōb-mus.

M.

CHARACTER: In a few of the oldest inscriptions before 500 U.C. 79
the modern shape with the middle strokes not reaching to the
bottom is found, but not afterwards. The usual form has the four
strokes of equal length and all inclined, not vertical. Verrius
Flaccus (in Augustus' time) wished to use only half the ordinary
letter as its sign at the end of words before an initial vowel, on
account of its faint sound.

SOUND: the labial nasal; English *m*.

80

At the end of words it appears to have been scarcely audible.

POSITION: very frequently final: viz. 1. in accusative and 81
neuter nominative singular, and in genitive plural of nouns: 2. in

¹ In Polybius, I. 22, 23, we read Βίλιος; (but the MSS. have Αβίος
or Ἀτίλιος Αβίος). Diodorus (XI, 68) has Δουίλλιος.

1st person singular of verbs; 3. in some adverbs; e.g. *tum, quam, nam, etiam, autem, enim, partim, &c.*

Never before or after another consonant as the commencement of a syllable.

REPRESENTATION: (i) in Greek by μ ; e.g. *Marcus* by *Μάρκιος*, ⁸²*Viminalis* by *Οὐμινάλιος*; &c.

(ii) of Greek μ ; e.g. *Μαραθῶν, Marathon*; *πραγματικός, pragmaticus*; &c.

CORRESPONDENCE: 1. to Indo-European *m*.

83

2. to Greek μ ; e.g. *simul, similis, ἄμα, ὁμοῖος, ὁμαλός; νόμο, ἐμ-έω (Feμ); mol-lis, μαλᾶκός; me, με, ἐμέ; magnus, μάγισ, μέγας, μέγιστος; mel, μέλι, mōr-tor, mor-tuus, mar-ceo, μαρ-αίνω, βροτός (for μροτός); mīnuo, μινύθω; ūm-erus, ὤμος; &c.*

3. but in inflexions final *m* corresponds to Greek ν ; so in the acc. sing. and gen. pl. of nouns and in the 1st pers. sing. of verbs: e.g. *nāvem, ναῦν; musarum, μουσῶν; sim, siem, εἶην; ferebam, ἔφερον.*

SUBSTITUTION: 1. for *p* or *b* before a nasal suffix; e.g. *som-* ⁸⁴*nus*, comp. *sōp-or, sōp-io*; *scam-num* compared with *scab-ellum*; *Sam-nium* with *Sab-ini*; *sum-mus* with *sub* or *sup-er*.

2. for *n* before a labial; e.g. *im-pello* for *in-pello*; &c. Compare *ru-m-po* with *fu-n-do*.

INFLUENCE: 1. often occasions the assimilation or omission ⁸⁵of a preceding consonant, especially if three consonants would otherwise be together: e.g. *flam-ma* (*flag-*); *exā-men* for *exag-men*; *jū-mentum* (*jūg-*); *tor-mentum* (*torquēre*); *lū-men* (*lūc-ēre*); *ful-men* (*fulg-ēre*); *cæ-mentum* (*cæd-ere*); *rā-mentum* (*rād-ere*); *sum-movere, sum-mus* (*sub*); *contā-minare* (*contag-*); *sē-mestris* (*sex*).

But *seg-men* from *sec-āre*; *ag-men* from *ag-ēre*; &c.

So *n* becomes *m*; e.g. *im-motus* for *in-motus*; *īmus, immo* for *īnīmus, īnīmo* (superlative from preposition *in*).

2. prefers a short *ū* (instead of *ō* or *ī*) before it; e.g. *doc-umentum* (*doc-e-*); *monumentum* (*mon-e-*). So till Cæsar's time *decūmus, facillūmus, durissūmus, maritūmus, &c.* Similarly *sestūmo, lacrūma*, and in Greek words the short inserted vowel is *u*; e.g. *Alcūmena, drachūma, Tecumessa* (compared with *tecina, &c.*).

WEAKNESS: 1. Final *m* having a faint sound fell away; in 1st ⁸⁵pers. sing. of present, and perfect indic. and future in *-bo* of all verbs; e.g. *amo, amavi, amabo*; the words *sum* and *inquam* alone

retaining it. Cato is said to have written *recipie, dice, &c.* for *recipiam, dicam* (*recipiem, dicem?*). Cf. Quintil. I. 7, § 23; IX. 4. § 40.

2. In nouns early inscriptions frequently omit final *m*, but not regularly. Thus in the oldest Scipionic inscription *Luciom* is found by side of *Corisca*, *oino* (for *unum*), *Scipione*, *optumo* (all accusatives), *duonoro* (for *bonorum*). The omission is rare in the legal inscriptions, and in others also after 620 U.C., but is found in the vulgar wall inscriptions at Pompeii; and towards the end of the third century after Christ becomes frequent again (even in words which are not nouns; e.g. *mecu, dece, oli* for *mecum, decem, olim*).

Non is for *noenum* (*ne-oinom*, i. e. *ne-unum*).

3. Before a vowel, a final syllable in *m* was disregarded in verse: and *com* in composition dropped its *m*; e.g. *co-ire, cohibeo, coheres, coopto; cōgo* (*com-ago*), *cōperio* (*com-eperio*), *cōmo* (*com-emo*). But *m* is retained in *cōmes, com-itium, cōmitor; cōm-ēdo*.

So *circu-itus*; but *circum-ago*.

4. Before most consonants except the labials *p, b, m*, *m* becomes *n*; e.g. *an-ceps, prin-ceps, nunc* (*num-oe*), *tantundem* (*tantum*), *ean-dem, eorun-dem, con-sul, con-fero, con-jux, con-venio, septentrio, aliquan-diu, &c.* So *quoniam* for *quom jam*.

In a few compounds of *com* *m* is omitted; e.g. *co-gnosco, cognatus, cō-necto, cōnitor, cōniveo, cōnubium*. So in old time *cosol* for *consul* and this form was retained in the abbreviation *cos*; also in inscriptions *cosentiant, &c.* Cf. §§ 168, 167, 2.

5. *m* before *r* became *b*; e.g. *hibernus* is for *hiemrinus* (cf. *χειμερινός*). So in Greek *βροτός* from root *μop-*, *morior*.

V as Consonant.

CHARACTER: always *v*, whether as vowel or consonant, 87 (Throughout this article *v* is used for the consonantal sound, *u* for the vowel.)

SOUND: as the English *w*, or perhaps, at least originally, the 88 more vocal Fr. *ou* in *oui*.

POSITION: always before a vowel. Not after any consonant, 89 except *q, g, s, l, r*; e.g. *qvis, pingvis, svavis, salvus, servus*.

REPRESENTATION: (i) in Greek¹, *r*. usually by *ov* (which 90 was also the usual representation of *v* as vowel); e.g. *Servius, Σερ-*

¹ The Oscan *v* was represented in Greek by the digamma; e.g. *Joveis, Διουφεi*; *Clovatius, κλοφάτωι*; *tovtiks, τοφτω*. Quintilian says *Æolicæ litteræ, qua 'servum,' 'cervum'que dicimus, etiam si forma a nobis repudiata est, vis tamen nos ipsa persequitur* (xii. 10. 29).

ήνιος; *Venusia*, Ούενουσία (Polyb.); *Vell*, Ουήιοι; *Volsci*, Ουόλσκοι (Strab.), Ουολοῦσκοι, (Dion. H., Plut.), Ουόλοσκοι (Plut.); *Qvinti-
lius Varus*, Κουντίλιος Ουάρος (Joseph.); *Juvenalia*, 'Ιουουενάλια;
Qvadratus, Κουάδρατος (Dio Cass., *Epit.*); *Æquum Faliscum*, Αϊ-
κουουμφάλισκον; *Suessula*, Σουέσσουλα (Strab.); &c.

2. after *q*, before *i*, also by *u* or *o*; e.g. *Qvintus*, Κόιντος (Polyb.,
Diod., Dion. H.), Κύντος (Dio Cass.); *Qvintilius*, Κουντίλιος
(*Mon. Ancyr.*), Κυντίλιος (Dio C.); *Nonis Qvintilibus*, Κυντιλίαις
Νόνναις (Plut.); *Aqvīnum*, 'Ακνῖνον (Strab., Plut.); &c.

But *qvī*=*κυ*, e.g. *Aqvillius*, 'Ακύλλιος; *Qvīrinus*, Κυρίνος; *Qvī-
rites*, Κυρίται (but *Κυρίται*, Dio); *Aqvileia*, 'Ακυληία; *Tarqvinius*,
Ταρκύνιος.

3. by *β* rarely, except in Plutarch, who has for *Flavius*
Φλάβιος (also Φλαούιος); *Livius*, Λίβιος (also Polyb.); *Varro*, Βάρ-
ρων; *Fulvius*, Φούλβιος; *Servilia*, Σερβιλία, (*Servilius*, Σερουίλλιος);
Voconius, Βοκώνιος; &c. So *Pulvillus*, Πολβιλλος; *Flavus*, *Flavius*,
Φλάβος, Φλάβιος, also Φλαούιος (Dion. H.); *Vesuvius*, Βέσβιος
(Dio C. App.), but Ούεσουνούιος (Diod.); *Beneventum*, Βενεβεντόν
(Appian), but Βενεουεντόν (Appian, Strabo), *Beneventana*, Ούενοαν-
τανή (Polyb.). *Nerva* and *Severus* in contemporary inscriptions are
Νερουα, Νερβα; Σεουήρος, Σεβήρος. In and after the sixth century
after Christ *β* appears frequently for *v*. Compare § 72.

(ii) of Greek. *V* as consonant is never found in transferring
a Greek name into Latin, the digamma, which alone had the same
sound, not being in use in the time of the Roman writers.

CORRESPONDENCE: 1. to original Indo-European *V*: sometimes *v*
(e.g. in first four instances given *infr.* 3) to *G* (where Greek has *β*).

2. to Greek *F*, which often fell away without altering the word,
sometimes was replaced by *o* or *u*; e.g. *ævum*, αἰφές, αἰεί; *δνις*,
ὄφις; *ävī*, οἰωνός (οφιωνος); *δνυμ*, ὠφόν; *silva*, ὕλη (for ὕλφα);
svāvis (for *svad-vis*), *svadus*, ἡδύς (for σφηδus); *vallus*, *Φῆλος*; *vel-
lus*, *villus*, *Φέριον*, εἶρος; *vēhere*, *Φόχος*; *vēnum*, *vēn-eo*, ὠνος; *vēr*,
Φέαρ, ἦρ; *verbum*, *Φερέω*, ῥῆμα; *vesper*, *Φέσπερος*; *vestis*, *Φέν-νυμι*,
ἐσθής; *vētus*, *Φέτος* (a year); *vīdere*, *Φιδεῖν*, (Lac. βιδεῖν) οἶδα;
vīginti, *Φεῖκοσι*, Boeot. *Φίκατι*, (Lacon. βείκατι); *viōla*, *Φίον*; *vītū-
lus*, *Φιταλός*; *vītēx*, *vī-men*, *Φιτέα*; *vōmere*, *Φεμ-εῖν*; *volvo*, *Φελύω*,
εἰλύω.

vah, *væ*, ὀά, οὐαί; *vīnum*, οἶνος; *vicus*, οἶκος. The noise of
frogs is represented by *κοάξ*, which Ovid imitates by 'sub aqua
sub aqua maledicere temptant.' (*Met.* VI. 376.)

Arvum, ἀρόω, ἀρουρα; *nervus*, νεῦρον; *vēreor*, οὔρος, a watcher
(*For*).

3. to Greek *β*; e.g. *vēn-lo* (*bēto*, *perbīto*, Osc. *benust*=*venerit*),
Βαίνω; *vīvo* βίος, βιώω; *vōro*, βιβρώσκω, βορά; *ervum*, ὄροβος;
severus, σέβας, σέβομαι; *vōlo*, βούλομαι

SUBSTITUTION: In verse the vowel *u* is sometimes hardened into *v*. Thus in Plautus, *tvos*, *svos*, *tvī*, *svī*; &c., *fvit*, *pver*, *pvella*, *dvorum*, (comp. above § 76 *dvonoro*, *dvello*); in dactylic poets, *svo* (Lucr. twice); *genva* (Verg., Stat.); *pitvīta* (Hor.), *patrvī* (Stat.), *sinvatis*, *sinvatur* (Sil.). Also *larva*, *larvatis* (Hor.), for *lārua*, *lāruatis* (Plaut.); *milvus* and *reliqvus* after the 8th cent. U.C. for the earlier *mīlūūs*, *rēlīcūūs*. In *tenvis*, *tenvia*, *tenvior*, the consonantal *v* seems to be the regular pronunciation: Statius's use is peculiar. See § 142.

INFLUENCE: 1. The vowel *ō* when following *v* (consonant or vowel) was retained till the Augustan age and later, though after other letters it had usually changed to *u*; e.g. *servos*, nom. sing., *æqvom*, &c. *Vorto* and derivatives are said by Quintilian (i. 7. 25), to have been changed to *verto*, &c. by Scipio Africanus (i. e. minor), but the forms with *o* are not usually found in republican inscriptions.

2. medial *v* causes omission of preceding consonant; e.g. *sēvōco* for *sēd-voco*; *sēvīri* for *sexvīri*; *pavī* from *pasco* (for *pas-sco*).

3. The consonantal character of *v* is shown by its use in metre (a) in not causing elision, e.g. *dicerē verba*:

(b) in lengthening with another consonant a preceding short vowel. Comp. *volvo*, *vōlutus*. But it has not this effect when following *q*; e.g. *āqva*.

WEAKNESS: 1. *v* between two vowels usually fell away, or resumed its vowel power and formed a diphthong or long vowel with the preceding vowel: the succeeding vowel was absorbed in either case.

(a) in perfect suffix; e.g. *amāram* for *amāvērām*; *fiēram* for *fiēverām*; *nōram* for *nōvēram*; *plui* for *plūvī*; *audieram* for *audivērām*; *amasse*, for *amavisse*; *petiit*, *petit* for *pētīvit*; *fōvī* for *fōv-vī*; &c.

(b) *nauta* for *nāvīta*; *auceps* for *āvīceps*; *cautor* for *cāvītor*; *cauneas* for *cave ne eas* (Cic. *Div.* II. 40); *Gnæus* for *Cnāvōs*; *prædes* for *prævīdes*; *ætās* for *ævītas*; *præco* for *prævīco* (*voc-āre*), *horsum* for *ho-vorsum*; *hornus* for *ho-ver-nus*; *cunctus* for *co(m)-vinctus*; *prūdēns* for *prōvīdēns*; *Juppiter* for *Jōvīpater*; *jūcundus* for *jōvīcundus*; *jūnior* for *jūvēnior*; *ūpīllo* for *ōvīpīllo* (cf. *βουπόλος*); *nūper* for *nōvumper*; *oblītus* for *oblīvītus*; *russum* for *re-versum*; *brūma* for *brēvīma*; *nōlo* for *nēvōlo*; *neu*, *seu* for *neve*, *sive* (*neve*, *seve* old).

So in Plautus, *Jōvam*, *ōvis*, *bōves*, *brēvī*, and (after Greek model) *nāvem* are monosyllables, and *āvōnculus*, *oblīvīsci* trisyllables.

2. *v*, after any other consonant than *q*, *g*, *s*, *l*, or *r*, was vocalised: e.g. *vacuus* for (old form) *vōcīvos*. (Plautus wrote always *vacīvos* or *vocīvos*.) Compare *conspīcuus*, *arduus*, *annuus*, *noctua*, with *longīnqvus*, *curvus*, *fulvus*. (But also *sūūs*, *irriguus*, *patrūus*.)

Poets, rarely after Augustan age, sometimes vocalised a (usually) consonantal *v*. Thus *sūādeo*, *sūāscō* (Lucr.); *sūāerunt* (Cic.); *sūāetus* (Lucr., Hor.); *oonsecue* (Lucr.), *adsecue*, *obsecuum* (Plaut.); *ācūāl*, *ācūāe* (for *aqvāe*) Lucr. So also *sōlūo*, *dissōlūo*, &c. (Lucr., Cat., and elegiac poets); *vōlūo* (elegiac); *ālūāe* (Hor.).

decuria, *centuria*, *cūria* are by some supposed to be for *dec-vīr-ia*, *cent-vīr-ia*, *co-vīr-ia*.

3. *v* fell out in some few words; e.g. *sāvium* for *svavium*; *tibi*, *te* for *tvibi*, *tve*; *ungo*, *tingo*, *urgeo* for *ungvo*, *tingvo*, *urgveo*. (In slave names, e.g. *Publīpor*, *Marcīpor*, *por* is for *puer*, probably the *e* being extruded).

So also *qum*, *qur* is sometimes written for *quom*, *quor*, or *cum*, *cur*.

4. Apparently an initial *v* has fallen off in some words beginning with *r* and *l*; e.g. *rōsa*, *ródon*, Æol. *βρόδον*; *rigare*, *βρέχειν*; *radix*, *ρίζα*, Lesb. *βρισθα*; *lācer*, *ράκος*, Æol. *βράκος*; *lūpus*, Germ. *wolf*; *laqueus*, *βρόχος*. (Compare our pronunciation of *wreck*, *wreak*, *wrong*, *wrought*, &c.)

5. *v* after *d* hardened to *b*, and then *d* fell off; e.g. *duellum*, *bellum*, &c. (see § 76).

In a few words medial *v* changed to *b*; e.g. *deferbuī*, *bubile*; see § 76. 2, and compare the examples in § 90. 3.

6. On the confusion in late Latin of *v* and *b* see § 72.

F.

CHARACTER: before 500 U.C. sometimes *ʃ*¹, which is also 95 found in (later) cursive writing; e.g. the wall inscriptions at Pompeii. (See also E, § 226.) The sign *F* is the Æolic digamma, which the Latins adopted instead of *ϝ*, which form was used by the Etruscans, Umbrians, and Oscans.

SOUND: a sharp labio-dental fricative formed between the upper 96 teeth and under lip: English *F*. The dental element appears to have been predominant.

POSITION: never final except in the old rarely used form of *ab*, 97 viz. *af*¹. Can stand in the commencement of a syllable before *l* or *r*; e.g. *fluō*, *frango*; but not after a consonant.

REPRESENTATION: *r*. in Greek by *φ*; e.g. *Fabius*, *Φάβιος*; 98

¹ This word, apparently an Italic form of the preposition *ab*, is found only before consonants, chiefly in Republican inscriptions; e.g. *af Capua*, *af vobeis*, *af solo*. Corssen holds *af*, *ab* and *au* (see § 78. 3) to be all three of distinct origin (*Ausspr.* I. 152—157, ed. 2).

Fortuna, Φορτοῦνα; **Furius**, Φούριος; **Fidenæ**, Φιδήνη; **præfectorum**, πραιφέκτων (Polyb.) &c. Quintilian (I. 4, 14) says the Greeks used to pronounce the Latin **f** with an aspiration, and instances Cicero's ridiculing a witness for not being able to pronounce the first letter of **Fundanius**.

2. of Greek φ, not until 4th century after Christ. So in the MS. of Gaius, **elefantis**, **chirographis**, &c.

CORRESPONDENCE: 1. to an original Indo-European **bh** and **dh**. 99

2. to Greek initial φ (which was π followed by an aspirate, not English **ph** or **f**); e.g. **fa-ri**, **fā-ma**, φάναι, φήμη; **fūr**, φώρ; **fēro**, φέρω; **fluō**, φλύω (*bubble*); **frātēr**, φράτηρ (*clansman*); **fu-i**, φύω; **fōllum**, φύλλον; **farcio**, φράσσω; **fūga**, φύγή; **frīgo**, φρύγω; **fāgus** (*beech*), φηγός (*oak*); **fallo**, σφάλλω; **fungus**, σφόνγγος; **funda**, σφενδόνη.

3. to Greek β (rare); e.g. **frēmo**, βρέμω; **fascīno**, βασκαίνω; **fōd-lo**, βόθ-ρος.

4. to Greek χ (which was κ followed by an aspirate¹); e.g. **frīo**, χρίειν; **fel**, χολή; **fā-mes**, **fā-tisco**, χήτος, χᾱτίζω; **frēnum**, χαλινός; **fūnis**, σχοῖνος.

5. to Greek digamma, later an aspirate; e.g. **frango**, Φρήγνυμι, ῥήγνυμι; **frīgeo**, **frīgus**, ῥιγέω, ῥίγος.

6. to Greek initial θ (which was τ followed by an aspirate, not English *th*); e.g. **fā-mina**, θῆ-λυσ; **-fen-do**, θείνω; **fēra**, θήρ, Æol. φήρ; **fōris**, θύρα; **fū-mus**, sub-ψ-o, θυμός, θύω, θέλλα; **figo**, **fig-ura**, θιγγάνω, τίγμα. Also to medial θ in **rūfus**, ἐρυθ-ρός.

SUBSTITUTION: 1. for **d** in preposition **ad**; e.g. before **af-** 100 **fero**, **af-fātim**, &c.

2. In **ef-fēro**, **ef-fatus** for older **ecfero**, **ecfatus**, the first **f** may perhaps be only a mark of a long syllable for **ēfero**, **ēfatus**.

INFLUENCE: 1. requires a preceding nasal to be **n**; e.g. **in-** 101 **fero**, **con-fero**, &c. **an-fractus** for **amb-fractus**.

2. **nf** lengthens a preceding vowel; See under **N** (§ 167. 2).

WEAKNESS: Parts of the stem **fu-** are supposed to have been 102 modified and used as a verbal suffix, viz. **ama-vi** to stand for **ama-fui**; **ama-bam** for **ama-fuam**, **ama-bo** for **ama-fuio**. But see Preface.

¹ In English we substitute **f** (in speaking) for the guttural **gh** in *laugh*, *cough*, *trough*.

CHAPTER VII.

GUTTURALS AND PALATALS.

K, C.

CHARACTER: as above, except that **c** was in early inscriptions sometimes angular <.

k went out of use at an early period, probably before the decemviral laws, almost entirely, except in a few old abbreviations; e. g. in republican inscriptions, **K.** for **Kæso**; **k. k.** for **kalumniæ causa**; **XVIR. SL. IVDIK.** for **Decemvir stlitibus (litibus) judicandis**; **K.** or **KAL.** for **Calendæ**; **INTERKAL.** for **intercalares**; **MERK.** for **Mercatus**; and in later times **K** for **caput, cardo, castra, carus**, and **KAR.** for **Carthago**. In early inscriptions the words **Kastorus** (**Castoris**), **Korano** (**Coranorum** ?); **Kæl.** for **Cælius**; **Dekem.** for **Decembres** also occur. There was a tendency with some grammarians in Quintilian's time (I. 7, 10) to use **k** always before **a**.

SOUND: **K** always as the sharp guttural mute: i. e. English **k**. 104

C was used indiscriminately for both the sharp and flat guttural mute, till the beginning of the sixth century U.C., when a modified form (**G**) was introduced for the flat sound. A few instances, probably accidental, are found in later inscriptions. For **Gaius** and **Gnæus** the abbreviations always followed the old form, viz. **C. Cn.** **C** had not the sound of **s** (as in English). Nor does **ci** before a vowel appear to have been pronounced as **sh**, except provincially, before the 6th or 7th century after Christ (see § 110. 4).

POSITION: never final, except in a few words from which a short **ð** has fallen off: **dic, duc, fac, ac, sic, hic, illic, &c.** for **dice, duce, &c.** Also usually **lac** for **lacte** (nom. sing.). 105

It can stand in the commencement of a syllable (1) before **t, r**; e. g. **clamo, crimen, &c.**: (2) after **s**; e. g. **scindo, scribo, &c.**

REPRESENTATION: (i) in Greek by **κ** always; e. g. **Campani**, **Καμπανοί**; **Lucius Cæcilius**, **Λεύκιος Καϊκίλιος**; **centurio**, **κεντυρίων**; **Curius**, **Κόριος**; **Cornelius**, **Κορνήλιος** (all in Polybius): **pontifices**, **ποντίφικες**; **Numicius**, **Νομίκιος**; **Cicero**, **Κικέρων**; **Comptalia**, **Κομπιτάλια**; &c. 106

(ii) of Greek ι, κ; e.g. λυγρός, *lynxis*; Κίλιξ, *Cilix*; Κύκλωψ, *Cyclops*; Περδίκκας, *Perdiccas*; Κίμων, *Cimon*; Κάδμος, *Cadmus*; &c.

2. also in early times χ; e.g. Βακας, (i.e. *Baccas*) for Βάκχας in the (so-called) *S. C. de Bacanalibus*, A.U.C. 568; and in later inscriptions Cillo for Χίλων; Antlocus for Ἀντίοχος; &c. But the h was usually written in Cicero's time (*Or.* 48. § 160).

CORRESPONDENCE: 1. to an original Indo-European k.

107

2. to Greek κ; e.g. arx, arceo, ἄρκιος, ἀρκέω; decem, δέκα; dico, maledic-us, δείκνυμι, δίκη; doceo, δοκεῖ; centum, ἑκατον (i.e. ἑν-κατ-ον *one hund-red*); scer, ἐκυρός; cadus, κάδος; calare, calendæ, nomenclator, καλεῖν, κλή-τωρ; cerebrum, κάρα; caput, κεφ-αλή; cluo, cli-ens, inclutus, κλύω, κλυτός; canis (for *cvanis*), κύων; spacio, σκοπεῖν; cūculus, κόκκυξ, *cuckoo*; scipio, σκῆπ-τρον; &c.

3. to Greek π (cf. § 118); e.g. voc-are, νοκ, ἑπ-ος εἶπον, ὄψ (stem *Fεπ-*); oc-ulus, ὄπ-ωπ-α, ὠψ; sūcus, σάπιο, ὀπός; jecur, ἥπαρ.

SUBSTITUTION: 1. for g before a sharp; e.g. actus from ag-o; 108
punctus from pungo; rexi = rec-si from reg-o; &c.

2. for h before t; e.g. trac-tus from trah-o; vec-tus from vēh-o.

3. frequently written for final consonant of ob, sub, ad, id, in composition before c or q; e.g. oc-curro, suc-curro, ac-curro, ic-circo, quicquid, acquiro. So also ecce, equis for en-ce, enquis.

4. cu for quo; e.g. cum, cuius, cui, cur, &c. for quom, quous, quoi, quor, &c.; cotidie for quotidie; quicumque for quicumque; alicubi for aliquōbi; ōcus, cōcus, hircus, æcus, anticus, oblicus, for equos, coquos, hircuos, æquos, antiquos, obliquos (all in nom. sing.); secuntur, locuntur for sequuntur, loquuntur. Both forms were in use from the later part of the republic, till after the middle of the first century after Christ, when quo- began to give place to quu, the forms with c however remaining also, and being often found in our earliest MSS. Quum appears to be not earlier than the fourth century after Christ; and to have been sounded as cum.

INFLUENCE: 1. changes a preceding flat consonant in prepo- 109
sitions and pronouns to c; e.g. ac-curo, ic-circo, &c. § 108).

2. occasions omission of preceding dental; e.g. ac for atc, atque; hoc for hodge.

3. changes preceding m to n (sounded here as the guttural nasal § 162); e.g. hunc, nunc, tunc, for hum-ce, num-ce, tum-ce; anceps for am-ceps; prin-ceps for primī-ceps; sinciput for semi-caput; &c.

WEAKNESS: 1. *c* is omitted before *m*, *n*, *t*, the preceding vowel being lengthened to compensate; e.g. *lū-na*, *lu-men*, compared with *lūc-eo*; *dē-ni* (for *dēcīni*) from *dēc-em*; *quīni* (for *quīncīni*) from *quinque*; *lāna*, *lānugo* compared with *λάχ-νη*; *arā-neā* with *ἀράχνη*; *limus*, *slant*, with *līcīnus*, *crumpled*, *obliq-uus*, *λέχρις*, *λικ-ριφίς*; *pī-nus* for *pic-nus* (*pīc-*, nom. *pīx*), *vā-nus* compared with *vac-uus*; *au-tumnus* from *aug-eo*; *dūmēta* for *dumec-ta*; *sētius* for *sectius*; *nītor* for *gnic-tor*, comp. *nixus*, *geniculum*.

2. *c* is often omitted when preceded by *l*, *r*, *n*, and followed by a consonant; e.g. *ar-tus* for *arc-tus*; *far-tus* for *farc-tus*; *ful-tus* for *fulc-tus*; *ul-tus* for *ulc-tus*; *quin-tus* (usually) for *quinc-tus*; *nac-tus* as well as *nanc-tus*; *nasturtium* for *nās-torc-tium*; *fulmentum* from *fulc-ire*; *mul-si*, *mulsum* from *mule-ēre*, &c.

3. Initial *o* is sometimes omitted before *l*, *r*, *n*; e.g. *lāmentum* compared with *clāmāre*; *lāna* with *χλαίνα*; *ālāpa* with *κόλαφος* (a Syracusan word?); *raudus*, *rūdus* with *crūdus*; *nīdor* with *κνίσα*.

4. *cl* (before a vowel) is often confused with *tl* in the spelling of derivative suffixes, partly from doubts as to the etymology of a word, partly from the palatilisation of both *cl* and *tl* (= *sh*) in times when the MSS. were written. *cl* for *tl* does not appear, till an African inscription in 3rd century after Christ; and not numerous before Gallic inscriptions and documents of the 7th century after Christ. *tl* for *cl* is not certainly found before end of 4th century after Christ. In certain proper names (e.g. *Marcus*, *Martius*) both forms appear to have existed as separate names with different origin, and then to have been confused.

The following appears according to inscriptions to be the correct spelling of certain disputed words: *dīcio*, *condīcio*, *solacium*, *patri-cius*, *tribunicus*;

contio, *nuntius* (and derivatives), *fētiālis*, *indūtīæ*, *ōtium*, *negō-tium*, *sētius*.

Both *suspicio* and *suspicio*, *conviciū* and *convitiū* are found in good MSS.; neither in inscriptions.

X.

This character is a mere abbreviation for *cs*. It is first found in a single *sexto*, referred to times before the second Punic war, and afterwards not until *S.C. de Bacc.* 186 B.C. (The inscriptions before this date are but few.)

In inscriptions at all times (perhaps from regarding *x* as a mere guttural like Greek *χ*) *xs* is often found instead of *x*; e.g. *exstrad*,

(in *S. C. de Bacc.*), *taxsat*, *lexs*, *proxsumus*, *exsigit*, *deixserit*, by side of *exigatur*, *exterarum*, *taxet*, &c. in laws of Gracchus' time. So in Greek *Σέξτος* and *Σέξτος*. In the Augustan age and subsequently, the simple **x** is the more frequent.

INFLUENCE: Words beginning with **s**, if compounded with **ex**,¹¹² usually dropped the **s**, but the retention is not unfrequent; e.g. *exilium*, also *exsilium*; *expecto*, also *exspecto*; &c.

WEAKNESS: Before semivowels, liquids, nasals, and flat mutes,¹¹³ **sex** and **ex** in composition usually dropped **x**; e.g. *sēviri*, *sējūgis*, *sēmestris*, *sēdecim*, *sēni*, *ēduco*, *escendo* (but *exsto* or *exto*); *ēvādo*, *ējuro*, *ēmergo*, *elicio*, *ēnormis*. So also **e** for **ex** out of composition, after (rarely in inscriptions before) Augustan age.

Before **c**, **sex** became **ses**; e.g. *sescenti*.

Before **f**, **ex** sometimes became (or reverted to) **eo**; e.g. *ecfari*, *ecficio*.

Before **l** and **m** a medial **x** was sometimes omitted; e.g. *tēla* for *texula*; *subtēmen* for *subteximen*; *subtillis* for *subtexillis*; *māla* for *maxula*; *paulus* for *pauillus*; *āla* for *axula*; &c.

Q.

CHARACTER: In one or two very old inscriptions **Q** is like¹¹⁴ the Greek Koppa with a short vertical stroke: its normal form in the best period was with a horizontal stroke to the right.

SOUND: the same as **k**, the sharp guttural mute. It is always¹¹⁵ followed by the consonantal **u**, except in some old inscriptions where it is immediately followed by the vowel **u** (§ 119). **Qu** was probably sounded as it is in English, i.e. as **kw**, and was regarded in prosody as a single sound. But see App. A. xx.

POSITION: never final, or followed immediately (with or with-¹¹⁶ out the consonantal **u**) by any consonant: nor preceded immediately in the same syllable by any consonant except **s**; e.g. *squama*.

REPRESENTATION: (i) **q** in Greek by **κ**: **qu** by *κου*, *κυ*, or *κο*,¹¹⁷ see § 90.

(ii) of Greek. **Q** is not used in writing any Greek word.

CORRESPONDENCE: 1. **qv** to original Indo-European **kv** (so¹¹⁸ Lepsius, Donaldson, Grassmann, L. Meyer); or to **k**, to which a parasitic **v** very early fastened itself (Curtius, Corssen). Some languages exhibit the labial, some the guttural.

2. to Greek π, Oscan p; e.g. quo-d? quo? qua-ntus? qua-lis? πό-θι, πού, πό-σος, πο-ῖος, Ionic κόθι, κοῦ, κόσος, κοῖος; quinque, πέντε, Æol. πέμπε (cf. πέμπ-τος), Osc. promptis; cōqvo (also written qvōqvo), cōqvīna, πέπω, (Oscan?) pōpīna; linqvo, re-llqv-us, λείπω; sēqv-or, ἔπ-ω; ēqvus, ἵππος; torqv-eo, τρέπω. Probably also in-qvīlinus, cōlōnus, cōlere, πέλω, πολεύω, πόλος.

3. to Greek τ, Osc. Umbr. p; e.g. quis, τίς, Osc. Umbr. pis; quisquis, Osc. pit-pit; -que, τε; quattuor, τέσσαρες, Æol. πίσυρες, Umbr. petur.

4. to Greek κ; e.g. qui-squī-læ, κο-σκυλ-μάτια; quiesco (cu-bo, cūnæ), κείμαι, κοίτη; oc-cūl-o (oquoltod for occulto S. C. de Bacc.), cīam, cēlare, καλύπτω, κρύπτω.

SUBSTITUTION: Q is found before u in inscriptions (rarely before A.U.C. 620), in words which commonly have c; e.g. pequnia (frequently), pequlatus, qura, mirqurios (for mercurius). Quer-quetum also was found for quercetum.

INFLUENCE: 1. changes a preceding d to c; e.g. ac-qui-ro for 120 adqui-ro; quiloquam, quicque, quicquid for quidquam, &c.

2. changes a preceding m to n; e.g. con-queror, con-qui-ro, con-quiesco; an-qui-ro; tan-quam, nunquam. Before -que, and usually in compounds, as quiquomque or quicumque, utrumque, utrimque, quotiescumque, the m is generally written.

WEAKNESS: 1. When ð was changed to u, qu passed into c; 121 e.g. ēcus for ēqvōs; cōcus for qvōqvōs; cum, cur for qvom, qvor; see under C § 108. 4. So perhaps stercus for sterqvōs, comp. ster-qvīlinum; cænum, cūnre for quenum, comp. inqvīnare. But sometimes q is found without v; e.g. qum, qur, &c. See above § 119.

2. Before a consonant qu changed to c; e.g. coctum, coxi (=coc-si) from coqu-o; relic-tus from relinquo.

3. Q fell away in certain forms of the pronoun qui (stem quo-), and; as the short ð past into ū, the semiconsonantal u then fell away also. Hence ūbi, ūti, ūter, unde, for quōbi, quōti, quoter, quonde.

So vāpor for quapor, comp. καπνός.

4. -qve and -pe appear to have been collateral forms. Cf. § 517, and above, § 118. 3.

G.

CHARACTER: a slightly modified C. The earliest inscription 122 in which it is found is that on Scipio Barbatus, inscribed probably soon after 500 U.C. Plutarch ascribes its invention to a Spurius

Carvilius, who, if the freedman of Sp. Carvilius Ruga is meant, kept a school probably twenty or thirty years later. See under C (§ 104).

SOUND: the flat guttural mute—English hard G. There appears to be little, if any, evidence of its ever having the soft sound (*g* in *gentle*) at least before the sixth century after Christ.

POSITION: never final. As initial it stands before vowels and the liquids *l*, and *r*, and in a few words before *n*; e.g. *glans*, *grus*, *gnarus*, &c. (See below § 129. 3.)

REPRESENTATION: (i) in Greek, by γ; e.g. *Verginius*, Οὔερ-γίνιος; *Sergius*, Σέργιος; *Galus*, Γάιος; *Gnaeus*, Γναίος; *Gabii*, Γάβιοι; *Gellius*, Γέλλιος; &c.

(ii) of Greek γ; e.g. *Γραϊκός*, *Græcus*; *Φρύγες*, *Phryges*; *Ἀναξαγόρας*, *Anaxagoras*; &c.

CORRESPONDENCE: 1. to original Indo-European *g*, and medial *gh*.

2. to Greek γ; e.g. *āgo*, ἄγω; *āger*, ἀγρός; *arg-entum*, *arg-illa*, ἄργυρος, ἄργιλος; *gaudeo*, γαῦ-ρος, γη-θέω, γά-νυμαι; *gigno*, *gēnus*, γίγνομαι, γένος; *gus-tare*, γεύ-ομαι; *gnosco*, γιγνώσκω; *genu*, γόνυ; *urg-eo*, εἶργω (*Φεργ-*); *rego*, ὀρέγω; *fulg-eo*, φλέγω; *vlg-eo*, ὑγι-ής; *mulg-eo*, ἀμέλω; *garrio*, *garrulus*, γῆρυς, γηρύω; &c.

3. *g* medial, or before *r*, to Greek χ; e.g. *ango*, ἄγχω; *rigo*, βρέχω; *anguis*, *anguilla*, ἔχis, ἔγχ-ελυς; *lingo*, λείχω; *grando*, χά-λαζα; *gratus*, *gratia*, χαίρω, χάρις; *unguis*, ὄνυξ (*ὄνυχ-*); &c.

4. to Greek κ; e.g. *viginti* (but *vicies*), εἴκοσι, Bæot. Φίκαι; *gubernator*, κυβερνήτης; *mūgio*, μυκάομαι; *Gnosus*, Κνωσσός; *gummi*, κόμμι; *Saguntum*, Ζάκανθα (*Polyb.*).

5. to old Umbrian *k*; e.g. *Iguvini*, Umbr. *Ikuvini*; *tergeantur*, Umbr. *terkantur*. (The old Umbrian like old Latin had no separate character for *g* as distinguished from *k*.)

SUBSTITUTION: for *c* in the word *nec*; e.g. *neg-o*, *neg-otium*, *neg-lego*. So probably *glōria*, from *cluere*.

INFLUENCE: 1. turns to *g* the final consonant of *sub*, *ob*, and *ad*; e.g. *suggero*, *suggredior*; *oggannio*; *agger*, *aggredior*, *aggravo*, *agglomerō*, *agnoscor* (for *ag-gnoscor*), &c.

Ex in composition before *g* appears as *e* (perhaps for *eg-* from *ec-*); as *e-gellus*, *egero*, *egredior*, &c.

2. always gives a guttural clang (as English *ng*) to a preceding nasal; e.g. *con-gero*, *in-gredior*, &c. were sounded as *con-gero*, *ing-gredior*, &c.

WEAKNESS: 1. Medial *g* before a sharp consonant (*t* or *s*)¹²⁹ is changed to *c*; e.g. *punc-tum*, *punxi* (= *puncsi*) from *pung-o*; *auc-tum*, *auxi* from *aug-eo*; *mulctrum* from *mulg-eo*; &c.

2. Medial *g* drops away in several cases, viz.

(a) after *l* or *r* and before *s*; e.g. *mul-si*, *mulsum* from *mulgeo*; *mer-si*, *mersum* from *mergeo*; *spar-si*, *sparsum* from *sparg-o*; &c.

(b) after *u*; e.g. *flu-o* compared with *fluc-tus*; *struo* with *struc-tus*; *fruor* with *fruc-tus*, *frūges*; *sū-men* from *sug-o*; *jū-mentum* from *jungo* (*jug-*); *ū-mor* compared with *ύγ-ρός*.

(c) before *v*; e.g. *vīvo* (for *gvigvo*) compared with *vīc-tus*, *vīxi* (cf. Engl. "the *quick* and dead"); *nīvis* with *nix*, *ninguit* (*it snows*); *conivēre* with *conixi*, *nixus*, *nīc-to*; *brēvis* (for *bregvis*) with *βραχύς*; *lēvis* with *ελαχύς*; *mālo* from *māg-vōlo*.

before *m* in a few words; e.g. *contā-minare*, comp. *contāg-es*; *flā-men*, *a priest*, comp. *flag-rare*, *fulg-ēre*, *flamma*; *examen* for *exagmen*; *sū-men* for *sūg-men*; *u-mor* for *ug-mor* (cf. *ύγ-ρός*); *stī-mulus* for *stīg-mulus* (comp. *in-stīg-are*). (But *augmen*, *coagmen-tum*, *fragmen*, *sagmen*, *tegmen*, &c. preserve the *g*.)

(d) before *l* in derivatives with stem *mag-*; e.g. *mājor*, *mājestas* for *māg-lor*, *mag-iestas*; and perhaps in *ajo* for *ag-lo*, comp. *ad-ag-ium*.

3. Initial *g* before *n* was rarely retained in classical times; e.g. *nascor*, *natus* for *gnascor* (i.e. *gen-a-scor*), *gnatus* (which is found in Vergil and in compounds *cognatus*, *prognatus*, &c.); *nosco* for *gnosco* (which is found in *S. C. de Bacc.* and also in compounds *cognosco*, *ignotus*, *ignominia*); *nārus* (*C. Or.* 47) for *gnārus* (so often written: also in comp. *ignarus*); *nāvus* for *gnāvus*; *nixus* for *gnixus* (from *gēnu*, *the knee*); *norma* compared with *γνώριμος*. (Comp. English pronunciation of *gnaw*, *gnat*, *gnarl*, *knee*.) In the proper name *Gnæus* (which abbreviated is written *Gn.*) the *g* remained.

Also before *l*; e.g. *lact-is* compared with *γάλακτ-os*.

H.

CHARACTER as above.

130

SOUND: the rough breathing, as in English.

131

Ph, *ch*, *th*, were not sounded either as in English or as in German; but as *p+h*, *k+h*, *t+h*; i.e. a rough breathing immediately after an ordinary *p*, *k*, *t*.

POSITION: never final, either of a word (except a few interjections) or syllable; and never before a consonant. 132

After the consonants *p, c, t, r* it is found chiefly in Greek words. Inscriptions of the 7th century U.C. give it, though rarely until cir. 660 U.C. After cir. 700 U.C. they give it regularly; e.g. *philosophus, Achilles, Thyrsis, &c.* Cicero (*Or.* 48, § 160) says that at one time he spoke as the old Romans did, *pulcros, Cetegos, Kartaginem, triumphos*: afterwards he conformed to the ordinary practice, and said *Phryges, Pyrrhus* (not *Bruges, Burrus*, as Ennius wrote); but still *sepulcra, coronas, lacrimas, Otones, Matones, Cæplones*. Catullus wrote an epigram (LXXXIV) ridiculing the pronunciation of *chommoda* for *commoda*, *hinsidias* for *insidias*. See Gell. II. 3, XIII. 6, where Nigidius is quoted: "*Rusticus fit sermo, si aspires perperam.*" According to Quintil. I. 5, 20, some inscriptions had *choronæ, chenturiones, præchones*.

REPRESENTATION: (i) In Greek, by the sign of the rough breathing; e.g. *Horatius, Ὁράτιος; Hernici, Ἑρνικες; Hostilius, Ὅστιλιος; &c.* 133

(ii) Of Greek rough breathing; e.g. *Ἡρόδοτος, Herodotus; ἦρως, hēros; Ῥοδόπη, Rhodope; Πύρρος, Pyrrhus; &c.*

ph, ch, th respectively for *φ, χ, θ*; e.g. *Ἀμφίπολις, Amphipolis; Χίος, Chios; Θεσσαλοί, Thessali; θάλαμος, thalamus; &c.*

CORRESPONDENCE: 1. to original Indo-European *gh*. 134

2. Initial *h* to Greek *χ*; e.g. *pre-hendo, χανδάνω; helvus, χλό-η, χλῶ-ρος; hēri, hes-ternus, χθές* (where the *θ* is parasitical); *hiemps, hīb-ernus, χιών, χειμών, χειμερινός; hir* (old word used by Lucilius for *bollos* of *band*), *χείρ; hirundo, χελιδών; hīra, hilla, hāru-spes* (but see § 136. 4), *χόλιξ, χορ-δή; hīo, hīscō, χαίνω, χάσκω; hortus, cors* (for *cohors*), *χόρτος; hūmī, χαμαί.*

Medial *h* to Greek *χ* in *veh-o, vec-tus, ἔχω, ὀχέω.*

3. to a Sabine *f*¹; e.g. *hædus, Sab. fædus; hariolus, Sab. fariolus; hārēna, Sab. fasena; hordeum, Sab. fordeum; hircus, Sab. fircus; hostis, Sab. fostis.* Quintilian attributes *fordeum, fœdos* (*fædos*, Halm) to the old Romans (I. 4. 14).

So *forctus* and *horctus* are said to have both been used with the meaning of *bonus*; and *horda* to have been an old form for *forda*, *pregnant*. Perhaps *horreum* is connected with *far*.

INFLUENCE: none. 135

¹ So Spanish has *h* for Latin *f*; e.g. *hijo* for *filius*.

WEAKNESS: *i*. changes (or reverts?), *after* a vowel, to *e* (before *t* or *s*); e.g. *vēh-o*, *vectus*, *vexi* (= *vec-si*); *trāh-o*, *tractus*, *traxi*. 136

2. *h* was not a consonant, so as to affect the quantity of a preceding syllable or prevent the elision of a preceding final vowel; e.g. *inhībet*; *tōllit hūmō*; *tōllite hūmō*.

3. *H* between two vowels dropped out, and the vowels if like one another coalesced. Thus Plautus uses *dehībeo*, *præhībeo*, for which afterwards *dēbeo*, *præbeo*. So *comprehendo*, *comprendo*; *cōhors*, *cors*; *ahēnus*, *aē-nus*; *vehēmens* (always two syllables only in verse), *vēmens*; *nīhil*, *nīl*; *mīhi* (and not very frequently), *mī*, existed side by side. *Dehinc* as monosyllable sometimes in Augustan verse. *Mehercūles* as trisyllable (*mercules*) in Phædrus.

Incoho is an older form for which *inchoo* is found as early as the second century after Christ at least.

4. In several words the pronunciation appears to have been uncertain, and the spelling varied accordingly; e.g. *hārundo*, *hārēna*, *hēres*, *hōlus*, *hordeūm*; *aruspex*, *ēdēra*, *ei* (interjection), *ērus*, *erciscundæ*, *ūmērus*, *ūmor* (the preferable spelling is here given). Gellius (II. 3) speaks of *h* being formerly found in *hallucinor*, *heluor*, *honera*, *honustum*. Late inscriptions insert and omit *h* almost at random; e.g. *hādītus*, *hīl*, *hauctoritas*; *ōmīni*, *ābītāt*, *inospita*. In modern Italian *h* is not sounded.

In foreign proper names both spellings often occur; e.g. *Hiberus*, *Iberus*; *Hirpini*, *Irpini*; *Hannibal*, *Annibal*; &c.

J i.e. I as consonant.

CHARACTER: same as the vowel *i*. In the middle of words *i* 137 Cicero is said to have written the *i* twice; e.g. *Atiax*, *Maitia*. Inscriptions of the imperial time, rarely any of earlier date, use a tall *i* for the consonantal *i* between two vowels. The form *j* is modern.

SOUND: As English *y*. In the middle between two vowels it 138 probably gave a sound to the preceding vowel, as if forming a diphthong with it, besides its own sound of *y*. Thus *Atiax* or *Ajax* would be sounded as (English) *Ay-yax*; *Pompeius* or *Pompejus* as (English) *Pompa-yus*; *quojus* as Engl. *quoy-yus*; *cujus* as Engl. *cwee-yus*.

For *j* after consonants in verse see below, § 142. 2.

POSITION: never final. *i* is consonantal (*i*) when it stands 139 as initial, before any of the vowels *a*, *e*, *o*, *u*, in Latin words (except *iens* from *ire*, *to go*); e.g. *iacio*, *jecl*, *Jovis*, *jugum*, &c.

(2) when it stands between two vowels, in Latin and some Greek words, viz.:

aj-; Gajus (but in Martial, nom. Gāiūs; voc. Gāi), Trajanus, Bajæ, Cajeta, bajulus, major, ajo; Achaja, Maja, Ajax, Grajus.

ej-; Aquileja, Vejī, pulejum, legulejus, plebejus, jejunos, peior, ejus, ejulo, mejo, pejero; and proper names, as Pompejus (voc. Pompei as trisyllable in Ovid; as disyllable in Hor.).

oj-; quojus, Troja, Bojos (acc. pl.).

uj-; ejus, hujus. In *tenuia*, *tenuior*, *assiduior*, *ī* is a vowel, *u* consonantal. For compounds of *jacio* see below.

REPRESENTATION: (i) in Greek by ι; e.g. Junius, Ἰούνιος; ¹⁴⁰ Julius, Ἰούλιος; Vejōs (acc.), Οὐηίους; Gajus, Γάιος; Pompejus, Πομπήιος; Appulejus, Ἀππουλήιος; &c.

(ii) of Greek ι, which sometimes forms a diphthong with the preceding vowel; e.g. Aīas, Ajax, or (Cic.) Atīax; Troīa, Troja; &c.

CORRESPONDENCE: 1. to an original Indo-European j.

¹⁴¹

2. to Greek ζ (perhaps Engl. *dy*); e.g. jugum, ζύγον; Jupiter, Jovis, Ζεύς (i.e. Δίεϋς); jus, *broth*, ζω-μός.

3. to Greek δ; e.g. ja-m, δή.

4. to Greek rough breathing; e.g. jēcū, ἦπαρ; jūvenis, ἦβη.

SUBSTITUTION: 1. for *dī*, *gī* (the *i* first becoming *j*, and then ¹⁴² pushing out the preceding consonant); e.g. *major* for *magior*; *Janus* for *Dianus*.

2. In verse the vowel *i* becomes sometimes hardened to *j*. Thus in Plautus in *scjo*, *djes* (*scio*, *dies*); *filjo*, *otjum*: in the dactylic poets, *arjetat*, *arjetibus* (Verg. Stat. Sil.), *abjete*, *parjete*, *parjetibus* (Verg. Sil.), *flūjorum* (or *flvūlorum*), *steljo*, *omnja*, *precantja* (Verg.); *vindēmjator*, *Nasīdjeni*, and (in alcaics) *consiljum*, *principjum* (Hor.); *abjegnæ* (Prop.), *antjum*, *promuntorjum* (Ovid, but see § 940); *ludjum* (Juv.). So also in words compounded of *semi-* (e.g. *semjanimus*, *semjesus*), unless the *i* be really elided (e.g. *sem-animis*, *semesus*). In Statius *tēnūja*, *tēnūjore* (or *tēnvja*, *tēnvjore*?) appear to occur; for *tenvja*, &c. seem impossible.

In *conubium* probably the *u* is short in the numerous cases, in which the metre has been supposed to require *conubjum*. (See Luc. Müller, p. 258, and Munro on Lucret. iii. 776.)

INFLUENCE: 1. caused the omission of a preceding conso- ¹⁴³ nant; e.g. *pějor* for *pēd-lor*, *lower* (compare *pes-simus*, *pessum*); *pējéro* for *perjero* (in good MSS.), later *per-jūro*; *dī-judico*, *trā-mitto*, &c. for *disjudico*, *transmitto* (cf. 168. 3); *rějectus*, *rějecto*, for *red-jectus*, *red-jecto*; *sējūgis* for *sexjugis*; *Jānus* for *Djānus* (for *Dianus*); see § 160. 2

The effect attributed to *j* by the old grammarians that it lengthens a preceding vowel is usually explicable either by the absorption of a consonant, or by the vowel being long independently; but the pronunciation (§ 138) may have had some effect; e.g. in *holus*, *quolus* (*hūjus*, *cūjus*).

2. At a late period of the language it caused, (when followed by a vowel,) the assibilation of a preceding *c*, *g*, *t*, *d*; viz. *ci*, *ti* = *chi*, or *shi*; *gi*, *di* = *ji* (either with French or English pronunciation of *j*). This assibilation is not proved for any period of Latin proper before the 3rd or 4th century after Christ. Instances of it are found in old Umbrian and Oscan.

WEAKNESS: 1. *j* was vocalised (rarely), when occurring between two vowels, and absorbed the succeeding vowel; e.g. *bīga* for *bī-jūga*. 144

2. Before another *i* in the compounds of *iacio*, it was omitted; e.g. *ādicio*, *cōnicio*, *prōicio*, *dēicio*: but the preposition remained usually long, though, in and after Ovid, sometimes short; e.g. *ādicī*. Sometimes the vowels were contracted; e.g. *rāice* (Verg.), *ēicit* (Lucr.): and in the Augustan and præ-Augustan period *iacio* in composition was sometimes written *jecio* (e.g. *rejēcit*, *adjēcit*) instead of *icio*. *Dis-iacio* became *dissicio*; *porjacio*, *porricio*. So *ajo*, *āis*, *āit*.

In the same way the *i* of *capio*, *fugio*, &c. dropped away before *-is*, *-it*; e.g. *capīs*, *capīt* (for *capīs*, &c.).

3. In late imperial inscriptions *z* is sometimes written for *j*; e.g. *Zesus*, *Zanuari* for *Jesus*, *Januari*: or *Gi*; e.g. *Gianuaria*, *Glove* for *Januaria*, *Jove*.

CHAPTER VIII.

DENTALS AND LINGUALS.

T.

CHARACTER: as above, but with the top stroke sometimes slanting, and sometimes mainly or entirely to the right or left of the vertical stroke. 145

SOUND: the sharp dental mute: English *t*. 146

POSITION: frequently final, being so used in verbal inflexions of the third person. Also in some conjunctions, 147

As initial it can stand immediately before *r*, and in the oldest language also (rarely) before *l*; e.g. *tlatum*, *stlis*. In Greek words before *l* or *m*; e.g. *Tlepolemus*, *Tmessus*. It can also stand immediately after an initial *s*; e.g. *sto*, *stravi*: and in Greek words after *p*; e.g. *Ptolemæus*.

On its aspiration see under *H* (§ 132).

REPRESENTATION: (i) in Greek by *τ*; e.g. *Titus*, *Τίτος*; *Pala-* 148 *tium*, *Παλάτιον*; &c.

(ii) (a) of Greek *τ*; e.g. *Αἰτωλοί*, *Ætoli*; *Μιλτιάδης*, *Miltiades*; *ἄστρον*, *astrum*; &c.

(b) of Greek *θ*, in early period (see § 132); e.g. *Κόρινθος*, *Corintus*; *θέατρον*, *teatrum*; *θίασος*, *tiasus*; &c.

(c) of Greek *δ*, only in two or three of the oldest inscriptions; e.g. *Ἀλέξανδρον*, *Alixentrom*; *Κασσάνδρα*, *Casenter*. (Comp. *Quintil.* I. 4, 16.)

CORRESPONDENCE: 1. to original Indo-European *t*.

149

2. to Greek *τ*; e.g. *ten-do*, *ten-eo*, *τείνω*; *taurus*, *ταῦρος*; *tu-* *tuus*, *τύ Dor.* (σύ *Att.*), *τεός*; *tuli*, *tollo*, *tolerare*, *τολ-μάω*, *τλῆ-ναι*; *terminus*, *τέρμα*; *tero*, *ter-es*, *trua*, *τείρω*, *τρίβω*, *τρῦμα*; *torr-eo*, *τέρσομαι*; *sto*, *sisto*, *στάσις*, *ἵστημι*; *di-sting-uo*, *στίγ-μα*, *στίζω*; *sterno*, *strā-tus*, *tōrus*, *στορ-έννυμι*, *στρώ-μνη*; *stella* (for *ster-ula*), *ἀστήρ* (*ἀστερ-*); *tēgo*, *στέγω*; *et*, *ἔτι*; *peto*, *πράπες*, *πέτομαι*, *πί-πτω*; *pateo*, *πετ-άννυμι*; &c.

3. *st* sometimes to Greek *σπ*; e.g. *stūdeo*, *σπεύδω*; so *talpa*, *σπάλαξ* (also *σκάλοψ*); *turgeo*, *σπαργάω* (the *s* having fallen off as in *tēgo*, *στέγω*); &c.

SUBSTITUTION: 1. for *d* (in the preposition *ad*) before *t*; e.g. 150 *at-tineo* for *adttineo*, &c. Also, in the old language, *cette* for *cēdite*, from imperative *cēdō*.

2. for final *d* in a few words (in inscriptions) in and after the 8th century U.C.; e.g. *aput*, *allut*, *quitquit*, *it*; and in and after, rarely before, 4th century after Christ, *set*, *at* (for preposition *ad*). *Haut* is found in republican inscriptions. *Ut* is probably for *quod*.

3. For confusion of *ti* with *ci* see under *C* (§ 110. 4).

INFLUENCE: 1. changes a preceding *b*, *g* to *p*, *c*; e.g. *scrip-tum* 151 from *scrib-o*; *ao-tum* from *āgo*¹. So the prepositions *ad*, *ob*, *sub*

¹ Lachmann (*Lucr.* p. 54) generalizing from Gellius' statements (*ix.* 6, *xii.* 3), lays down the following rules for the *quantity* of the vowel in past participles and frequentatives. Stems in *b*, *g*, *d* and *u* (for

were changed (in pronunciation, though the spelling varies); e.g. *at-tineo*, *optimo*, *supter*, &c.

2. A preceding *d* or *t* is softened to *s* before a suffix commencing with *t*, if it was important to preserve the suffixal *t*; e.g. *tons-trix* from *tond-eo* (*tonsrix* was almost unpronounceable); *ras-trum* from *rād-o*; *eques-tris* from *equit-*; nom. *eques*; *est*, *cat*, for *edt* (i.e. *edit*, the *t* being preserved as the sign of the 3rd pers.). (See below (§ 152. 3) for another course which the language adopted in order to avoid the double dental.)

3. retains a preceding original *s*, which before a vowel has passed into *r*; e.g. *us-tus* from *ur-o*; *tos-tus* (comp. *tes-ta*) from *torr-eo*; *mæs-tus* from *mærrere*; *arbus-tum* from *arbos*, *arbor*; *hones-tus* from *honos*, *honor*; *scales-tus* from *scelus*, *sceler-is*; &c.

4. requires the insertion of *p*, if *m* would otherwise have preceded it; e.g. *em-p-tus*, *prom-p-tus* from *emo*, *sumo*. The *p* is involuntarily pronounced, as the organs change from pronouncing *m* to pronouncing *t* (or *s*, § 70).

WEAKNESS: 1. Initial *t* fell off before *l*; e.g. *lla* for *stlla*; *locus* for *stlocus*; *latum* for *tlatum*.¹⁵²

2. Drops away or is assimilated before *s*; e.g. *mīsi* from *mitto*; *percussi* from *percutio*; &c.

At the end of a word one *s* only is retained, and the preceding vowel, if short, usually remains so; e.g. *virtūs* for *virtut-s*; *regens* for *regent-s* (originally *regentis*, § 245. 2); *sors* for *sort-s*; *equēs* for *equet-s* (*equit-*); *compēs* for *compot-s*; *damnās* for *damnāt-s*; &c. But *pariēs*, *abiēs*, *ariēs* for *pariēt-s*, &c.

3. The initial *t* of a suffix is changed (but see § 151. 2) to *s* after *t*, *d*, *lg*, *rg*, *ll*, *rr*, and in a few other cases, the last letter of the stem being then assimilated or omitted; e.g. *cāsum* for *cad-tum*; *divisum* for *divid-tum*; *messum* for *met-tum*; *mer-sum* for *merg-tum*; *pul-sum* from *pello*, (but in *expultrix* compared with *expulsor* the *t* resumes its place in order to prevent the combination *sr*).

So also *vicensumus* or *vicēsimus* for *vicent-tūmus*; *tricensumus* or *trigēsimus* for *trigent-tūmus*; *pes-simus* for *ped-tūmus*; &c.

On *eques-tris* for *equet-tris*, see above § 151. 2.

4. *tn*, *tm* were not allowable combinations in Latin. (*Ætna* is Greek.) Hence e.g. *vicē-nus* for *vicent-nus*; *sexagēnus* for *sexagint-nus*; &c.

gu lengthen the preceding vowel (e.g. *āctus*, *strūctus* from *āgo*, *struo*): in *c*, shorten it (e.g. *dictus* from *dīco*); in *p*, *t*, are short except *mīssus*, *sēnsus*; in *m*, *n*, *l*, *r*, *s*, *h*, retain quantity of present tense.

5. Final **t** had a weak position. Thus it fell off:

(a) in Umbrian; e.g. **habe, facia** for **habet, faciat**;

(b) in the oldest Latin inscriptions of Picenum; e.g. **dede** for **dedet** (i.e. **dedit**). (This is the only word in 3rd pers. sing. which occurs in these inscriptions.)

(c) in vulgar inscriptions on walls of Pompeii; e.g. **ama, valla, parci** for **amat, valeat, parcit**, (but the **t** is much oftener retained);

(d) frequently in inscriptions of fifth century after Christ and later; e.g. **fece, quiesce, militavi, vixi**, for **fecit, quiescit, militavit, vixit**, &c.

6. **nt** fell off in 3rd pers. plur. perf. in Cato, Sallust, dactylic poets, &c. (Cic. *Or.* 47, § 157); e.g. **scripsere, amavere** for **scripserunt, amaverunt**.

In late inscriptions sometimes **fecerun, vivon**, &c. are found for **fecerunt, vivont** (**vivunt**).

7. A long vowel preceding a final **t** was shortened; e.g. **amät** compared with **amäs, amätis**; **amarët** compared with **amarës, amarëtis**; &c.

D.

CHARACTER: as above.

153

SOUND: the flat dental mute: English **d**. **di** before a vowel, at and after the end of the 4th century after Christ, was pronounced 'cum sibilo,' i.e. probably as **j**l or as **j**, with English or, perhaps, French sound of **j**. (See below under **Z**, § 195.)

POSITION: final only in **sed, haud, ad, apud**, and the pronouns **id, quod, istud, illud, aliud**. (Often final in early Latin, see below § 160. 6.)

Never immediately precedes another consonant in same syllable, except in a few Greek words, and **Drusus** (said to be from the Gallic, Suet. *Tib.* 3); and see § 158.

REPRESENTATION: (i) in Greek by **δ**; e.g. **Decius, Δέκιος**; **Cædicius, Καιδίκιος**; **Domitius, Δομίτιος**; **Fidenæ, Φιδήνη**; &c.

(ii) of Greek **δ**; e.g. **δρέπανον, Drepanum**; **Δημοσθένης, Demosthenes**; **δίαιτα, diæta**; &c.

CORRESPONDENCE: 1. to an original Indo-European **d**, and (medial) **dh**. The final **d** of the ablative corresponds to an original **t**.

154

155

156

157

2. (a) to Greek δ; e.g. *dōmāre*, δαμάζω; *daps*, δάπτω, δειπνον; *densus*, δασύς; *dōmus*, δέμω, δόμος; *dexter*, δεξιός; *dāre*, δάτορ, δοτήρ, δίδωμι; *dōlus*, δόλος; *duo*, *dis-*, *dūbius*, δύο, δīs, δισσός; *ēdo*, *es-ca*, ἔδω, ἐσ-θίω; *dens*, ὀδούς (οδοντ-); *op-pīdum*, πε(d)s, πέδον, ποδ-, (πούς); *scindo*, σχίζω, σχίδαξ; *unda*, ὕδωρ; &c.

(b) to Greek medial θ; e.g. *fīdo*, *fīdes*, πείθω, πίστις; *gaudēre*, γηθεῖν; *va(d)s*, *vad-imonium*, ἄεθ-λον.

SUBSTITUTION: 1. for *tv* before *r* in words derived from *quattuor*; e.g. *quadraginta*, *quadra*, *quadrupes*, *quadriduum* (not *quatriduum*), &c. 158

2. once (in a very old vase inscription) for final *t*: *fecid* for *fecit*. (The Oscan had sometimes the 3rd pers. sing. in *d*.) So in the *Mon. Ancyran*. *adque*, *aliquod*, for *atque*, *aliquot*. In late imperial inscriptions occasionally *capud* for *caput*; *reliquid* for *reliquit*; &c.

INFLUENCE: 1. requires a preceding consonant to be flat; e.g. *sub-duco*, *ab-do*, &c. 159

2. changes preceding *m* to *n*; e.g. *con-do* (for *com-do*), &c.

3. changes a following *t* to *s*, and then is assimilated or omitted; e.g. *divi-sum* for *divid-tum*; *scan-sum* for *scand-tum*; *fossa* from *fōd-lo*; &c. (For *d* before *tr* see below.) In the *præ-Ciceronian* language *cette* for *cēdite* is found.

WEAKNESS: 1. Initial *d* before *v* dropped off, the *v* becoming *b*; e.g. *duonus* becomes *bonus*. See § 76. 160

2. Initial *d* before *j* dropped off; e.g. *Jōvis* for (old) *Diōvis*; *Jānus* for *Diānus*; *jūvenis*, *Jūnius* from stem *diu-*; *jacio* compared with *διώκω*, *διάκτωρ*; &c.

3. Before the initial *tr* of a suffix, *d* changed to *s*. (The *t* was retained because *sr* was unpronounceable.) e.g. *tonstrix* for *tond-trix*; *claus-trum* for *claud-trum*; *rās-trum* for *rād-trum*; *ros-trum* for *rōd-trum*; *frus-tra* for *fraud-tra*; &c.

4. Before the initial *m*, *l*, *n* of a suffix, *d* fell off or was assimilated; e.g. *cæ-mentum* from *cædēre*; *rā-mentum* from *rād-ere*; *rā-mus* compared with *rādix*; &c.

scā-la (for *scand-la*) from *scand-ēre*; *nītela* or *nītella* for *nītēdula*.

fl-nis (for *flid-nis*) from *flido*; *mercennarius* for *mercednarius*.

5. Before *s*, *d* is assimilated or falls away; e.g. *ces-si* for *ced-si*; *ten-si* for *tend-si*; &c. See also § 159. 3.

At the end of a word, the *d* being assimilated, one *s* only remains, and the preceding vowel, if short, remains so; e.g. *incūs* for *incūds*; *hērēs* for *hērēds*; *lapīs* for *lapīds*; *compēs* for *compēds*; [*pēs*, *vās* (from stems *pēd-*, *vād-*), are long as being monosyllables].

6. Final **d** fell off at an early period from the ablative case of which it appears to have been the characteristic. It is not found in any inscription later than the *S. C. de Bacc.* 186 B.C. and is not found constantly even in the earliest inscriptions. The Oscan shows this **d**: the Umbrian and other Italian dialects (Volscian, Sabellan) do not, though some inscriptions are much older than the Latin. Plautus probably used it or not as he chose.

This ablative **d** has dropped off also from the adverbs *supra*, *infra* (*suprad*, *infrad*), &c., and probably from *interea*, *postea*, &c.; also from the particle *red*, and the prepositions, *sed*, *prod*, *antid*, *postid*, except sometimes in composition; e.g. *sed-itio*, *red-eo*, *prod-est*, *antidhac* (for *antehac*); &c. So also *facillumed* (*S. C. de Bacc.*), for later *facillime*.

The pronouns *me*, *te*, *se* (both accusative and ablative) were in early times *med*, *ted*, *sed*.

Of the final **d** of the imperative (also retained in Oscan), one example remains in Latin; *estod* (*Fest.* p. 230): perhaps also *facitud* for *facto*.

7. In the particle *red* in composition, the **d** was frequently either assimilated, or fell off, the vowel being lengthened to compensate. Thus *reddo*, *rēcido*, or *reccido*, *rējectus* always: *redduco* or *rēduco* in early poets including Lucretius; *rēliquiæ*, *rēligio*, *rēlicuus* in *Lucr.*; (*rēliquiæ*, &c. in iambic &c. (*Plaut. Ter. Phædr. Sen.*); *rēlicus* in *Persius* and later poets;) *rēceptus*, *rēlictus* (*Lucil.*); *rellatus* and *rēlatus* (*Lucr.*). The perfect stem has always a long first syllable in *repperi*, *reppuli*, *rettuli*, *rettudi*, probably as a joint effect of the original *red* and the loss of the reduplication. In other words the **d** is lost without compensation.

8. The preposition *prod* always drops the **d** in composition except before a vowel; e.g. *prodeo*, *prodest*, but *prōsum*, *produco*. But the *o* is always lengthened, except in a few words, viz. *prōcella*, *prōnepos*, *prōneptis*, *prōtervus*, and before *f* (except *prōfero*, *prōficiō*, *prōfligo*, *prōflo*); usually *prōpago* (noun and verb), *prōcuro*, and, rarely, *prōpello*, *Prōserpina*. (In Greek words *prō* is always short, except *prōlogus* and sometimes *prōpino*.)

9. **D** in the preposition *ad* is usually assimilated to a following *p*, *c*, *g*, *t*, *l*, *r*, *n*; e.g. *apparet*, *accipio*, *aggero*, *attinet*, *alloquor*, *arripio*, *annuo* (but *adnepos*). It is usually omitted before *gn*, *sp*, *ec*, *st*; e.g. *agnosco*, *aspicio*, *ascisco*, *asto*. It always remains before *b*, *j*, *v*, *m*; e.g. *adbibo*, *adjuvo*, *advena*, *admiror*; and in inscriptions before *q*, *f*, *s*¹; e.g. *adquiro*, *adfero*, *adsigno*.

¹ The retention of the **d** is not a proof of the pronunciation, as we see from the pun in *Plaut. Pæn.* i. 2. 67. *MI. Adsum apud te eccum. AC. Ego elixus sis volo.* The pronunciation was *assum*.

For the more usual **atque**, **ad-que** is found in the Mon. Ancyra and frequently in other inscriptions.

10. Final **d** in old Latin sometimes changed to **r**. Thus in **ad** in composition, chiefly before **v** and **f**; e.g. **arvocatos**, **arvorum**, **arveho**, **arvena**; **arvines**, **arvare**, **arvuisse**. Hence **arbiter** from **ad-beto**, **arcesso** for **ad-cesso**.

So also **meridies** for **medi-dies** (according to the Romans); **Latinum** on old coins for **Latinum**; **apor** (in Festus) for **apud**. Comp. **aud-io**, **aur-is ear**.

11. In **quicquid**, **quicquam**, **cette** (for **cēdite**), **d** is assimilated.

In **quo-circa** (for **quod-circa**, comp. **idcirco**), **hoc** (for **hodce**), **d** is omitted.

For the more usual **haud**, are found **haut**, and in early Latin (and in mss. of Livy and Tacitus) before consonants **hau**. (For **aput**, **set**, &c. see § 150, and for the practical omission of **d** in **apud** in the comic poets, see § 295. 4.)

N.

CHARACTER: as above.

161

SOUND: both (1) dental, and (2) guttural, nasal.

162

1. as dental nasal usually, like English **n**.

2. as guttural nasal ("**n adulterinum**") before a guttural (**c**, **q**, **g**, **x**); sounded like English **ng**, (or **n** in *inky*, *finger*). Varro (*ap. Prisc.* 1. 39) said the oldest Roman writers followed the Greek in writing **g** for **n** before **c** and **g**; e.g. **aggulus** for **angulus** (comp. Greek *ἀγκύλος*); **agguilla** (comp. *ἄγκυλος*); **agcora** (comp. *ἄγκυρα*); **agceps** for **anceps**; **agens** for **angens**; **iggerunt** for **ingerunt**.

POSITION: final, only 1. in nom. acc. sing. of neuter nouns in **-men**, and a few others; e.g. **gluten (n)**, &c.; **tibicen**, **cornicen**, **tubicen**, **fidicen** (for **tibicinus**), &c.

163

2. in some adverbs; e.g. **in**, **an**, **sin** (for **si-ne**), **quin** (for **qui-ne**), **tamen**; also **viden**, **audin**, &c. (for **vides-ne**, **audis-ne**).

3. in Greek words; e.g. **splen**, **sindon**, &c.

Never after another consonant in an initial combination (§ 11), except in a few words which in the older language began with **gn** (see § 129. 3). Never initial before another consonant.

Frequent before **t** and **s** at end of a word (§ 271).

REPRESENTATION: (i) in Greek by **ν**, or, before gutturals, by **γ**; e.g. **Faunus**, *Φαῦνος*; **Numitor**, *Νεμέτωρ*; **Cincius**, *Κίγκιος*; **uncia**, *οὐγκία* or *οὐγγία*; **Longus**, *Λόγγος*; &c.

164

(ii) of Greek ν, or, before gutturals, γ; e.g. γνώμων, **gnomon**; Πάν, **Pan**; Σειρήν, **Siren**; Ἀγχίσης, **Anchises**; σπογγία, **spongia**; **Coruncanius**, Κορογκάνιος (Polyb.); &c.

CORRESPONDENCE: 1. to an original Indo-European n. 165

2. to Greek ν, or, before gutturals, γ; e.g. **animus**, **anima**, **άνεμος**; **gēna**, γένος; **an-hēlo**, ανά; **in**, ἐν, εἰς (for ἐνς); **māneo**, με-μῖν-ι, **mens**, &c., μένω, μέ-μον-α, μέν-ος, &c.; **Nēro** (a Sabine word), ἀνήρ (ανερ-); **nōvus**, νέος (νεφος); **ānas** (anat-s), νήσσα; **nix**, νῖν-ις, **nin-gult**, νῖφετός, νῖφει; **nun-c**, νῦν; **unguis**, ὄνυξ; **nuo**, **coniveo**, νεύω, νυστάζω, &c.

SUBSTITUTION: 1. For m before all but labial consonants; e.g. 166 **con-cors**, **con-gero**, **conjux**, &c. (see under m, § 86. 4).

2. **nn** for **nd**. There is some evidence for forms **distennite**, **dispennite** for **distendite**, **dispendite** (Pl. *Mil.* 1407); and **tennitur** for **tenditur** (Ter. *Pb.* 330).

INFLUENCE: 1. causes c, s, t, d, m to fall out before it; e.g. 167 **lū-na** for **luc-na**; **pōno** for **posno**; **vicēnūs** for **vicentnus**; **fī-nis** for **fid-nis** (fīndo); **septenus** for **septem-nus**; **novēnus** for **novem-nus**, &c.

2. **ns**, **nf** lengthened the preceding vowel. See Cic. *Or.* 48, § 159: “‘Indoctus’ dicimus brevi prima littera, ‘insanus’ producta, ‘inhumanus’ brevi, ‘infelix’ longa; et ne multis, quibus in verbis eæ primæ litteræ sunt, quæ in sapiente atque felice, producte dicitur, in ceteris omnibus breviter.” So **Consus**, **Consualia**, **consules** (acc.), **consilia**, **Considius**, are written Κῶνσος, Κωνσουάλια, κωνσούλας, κωνσίλια, Κωνσίδιος (Dionys. Hal.); **Consentia**, Κωνσεντία (Appian), Κωσεντία (Strab.); **Constantinus**, Κωνσταντῖνος (Dio Cass.); **census**, **accensus**, κήνσος, ἄκκηνσος (Inscr.); **Censorinus**, Κηνσωρίνος (Mon. Ancy. App.); **Ramnenses**, **Titenses**, Ῥαμνήνσης, Τιτηήνσης (Plut.). [Compare with **Centenius**, Κεντήνιος (Polyb., App.); **Centuriones**, Κεντυρίωνες (Polyb.).]

WEAKNESS: 1. changes to m before a labial (p, b, m), though 168 the change is not always marked in writing; e.g. **imperator**, **imperium** (sometimes **inperium**); **compleo** (**conpleo**), **imbuo**, **commuto**, **immortalis** (often **inmortalis**); &c.

2. **in** drops its n in composition before gn; e.g. **i-gnavus**, **i-gnarus**, **i-gnosco**, **i-gnominia**. (Compare § 86. 4.)

3. Before s it frequently falls away, sometimes is assimilated:

(a) in adjectival suffixes; e.g. **formosus** for **formonsus** (Verg.); **verrucossus**, **imperiossus** (Augustan inscript.); **Maluginesis** (ib.);

Thermeses (also **Thermenses**, **Termenses**, in some inscr. A.U.C. 683); **Pisaureses** (very old inscr.). Cicero is said to have written **Megalesia**, **Foresia**, **Hortesia**. So Ὀρτήσιος for **Hortensius**. In late inscriptions also in pres. part.; e.g. **doles**, **lacrimas** for **dolens**, **lacrimans**, &c.

(b) numeral suffixes; e.g. **quoties**, **vicies**, **millies**, &c., **vicēsimus**, **millesimus**, &c. are post-Augustan forms for **quotiens**, **viciens**, **vicensumus** (or **vicensimus**), &c.

(c) in stems; e.g. **cēsor**, in præ-Aug. inscriptions for **censor**; **mostellaria** from **monstrum** (**mostrum**, Verg.); **tosillæ** (C. N. D. 2. 54) for **tonsillæ**; **trimestris** for **trimenstris**; **tūsus**, **passus**, **fressus**, also **tunsus**, **pansus**, **frensus**. So **elephas** for **elephans**; **trastrum** (Verg.) for **transtrum**.

4. **n** final (or **ns**?) falls away always in nom. case of stems in -on; e.g. **homo**, **cardo** (**homōn-**, **cardōn-**), **sermo**, **oblivio** (**sermōn-**, **oblivīōn-**), &c. So **ceteroqui**, **alioqui**, for præ-Augustan **cæteroquin**, &c.

INSERTION: 1. **Athamans**, **Indigens** in Augustan inscriptions 169 for **Athamas**, **Indiges**, &c. Also **thensaurus** (**tensaurus**?) in Plautus for **θησαυρός**.

2. in verbal forms; e.g. **tango** (see Book II). So also **conjux**, **conjugs** from **jug-**, **jungo**.

L.

CHARACTER: always as above, after 570 or 580 A.U.C. Before 170 that the earlier form (with the bottom stroke not horizontal but forming an acute angle with the other), once exclusively used, was still in use.

SOUND: as in English.

171

POSITION: final only in a few nouns in nom. and neuter acc. 172 cases sing. It can stand immediately before a mute at the end of a syllable; e.g. **sculptus**, **calx**, &c.; and immediately after **p**, **b**, **c**, **g** at beginning of a syllable; e.g. **pluma**, **blandus**, **clamo**, **glans**, &c.

REPRESENTATION: 1. in Greek by λ always; e.g. **Publius** 173 **Lentulus**, Πόπλιος Λέντουλος (Polyb.), Πούπλιος Λέντλος (Appian); **Popillius**, Ποπίλλιος; **Latini**, Λατῖνοι; &c.

2. of Greek λ; e.g. **χλαμύς**, **chlamys**; **Φυλλίς**, **Phyllis**; Ἑλένη, **Helena**; &c.

CORRESPONDENCE: 1. to an original Indo-European **l** or **r**. 174 [Some (e.g. Schleicher) consider **l** to arise always from a weakening of an original **r**].

2. to Greek λ; e.g. *ālius*, ἄλλος; *dulcis*, γλυκύς; *volvo*, ἐλύω (*Feλ-*); *oleum*, ἔλαιον; *calx*, λάξ (for κλαξ); *lāna*, λάχνη; *lēgo*, λέγω; *leo*, λῖς, λέων; *luo*, λύω; *lāno*, ad-*luo*, λούω; *ŭlŭlo*, ὀλολύζω; *fallo*, σφάλλω; *pŭlex*, ψύλλα; *ulna*, ὠλένη; *vōlo*, βούλομαι; &c.

3. to Greek ρ (rarely); e.g. *vellus*, *villus*, ἔρος (ionic), ἔριον; *balbus*, βάρβαρος; *lilium*, λείριον.

4. to Greek δ; e.g. *lacruma*, δάκρυον; *levir*, δαήρ; *ōleo*, ὄдор, ὄζω (perf. ὄδ-ωδ-α), ὀδμή.

SUBSTITUTION: for *m*, *d*, *n* or *r* before *l*. See next section. In 175 composition *com-* generally became *con-*, sometimes *col-*; e.g. *collegium*; &c. In inscriptions *conlegium*, *conlega* till about end of Augustus' reign; then *collegium*, &c. (Momms. *Ephem.* I. p. 79.)

In usually remained. *Ad* generally became *al*; e.g. *alloquor*, &c.

INFLUENCE: I. Assimilates to itself or omits a preceding 176 *c*, *d*, *n*, *r*, *s*, *x*, an intervening short vowel being omitted; e.g. *paullus* for *pauculus*; *lapillus* for *lapid-ulus*; *sella* for *sēdŭla*; *corolla* for *corōn-ŭla*; *Catullus* for *Catōn-ŭlus*; *Hispallus* for *Hispānulus*; *Asellus* for *Asin-ulus*; *prēlum* for *pren-lum* (from *pre-mo*); *agellus* for *ager-lus*; *quālus* for *quas-lus* (comp. *quāsillus*); *āla* for *ax-la* (or *axilla*); *vēlum* for *vex-lum* (or *vexillum*).

2. *l* preferred *ō* or *ŭ* before it; e.g. *salto*, *insulto*, compared with *tracto*, *detrecto*; *potŭlum* with *pulcēr* (old *polcer*); &c. (§ 204. 2, c.)

ll preferred *e*; e.g. *vello* compared with *vulsus*; *fiscella* with *fiscīna*; &c. (§ 213. 5.)

3. caused the omission of a preceding initial *t* or guttural; e.g. *latus* for *tlātus* (*tollo*); *lis* for *stlis*; *lōcus* for *stlōcus*; *lamentum* compared with *clamo*; *lac* (*lact-*) with γαλακτ-; or the insertion (or transposition) of a short vowel between; e.g. *scalpo*, *sculpo* compared with γλάφω, γλύφω; *dulcis* with γλυκύς (for δλυκύς).

4. caused the omission of a preceding short vowel after *c* or *p*; e.g. *vinculum*, *sæclum*, *periculum*, *hercle*, *disciplīna*, *manipulus*, for *vincŭlum*, &c.; *publicus* for *populicus*.

5. threw off a following *s*; e.g. *consul* for *consuls*, *sōl* for *sols*, &c. *vigl* for *vigilis*. In *velle* a succeeding *r* is assimilated (*vōlēse* becoming *volere*, *volre*, *velle*).

6. *lg*, *ll*, changed a following suffixed *t* into *s*; e.g. *mulg-*, *mulsus*; *vell-*, *vulsus*.

7. changed a subsequent *l*, in suffix *-āll*, into *r*; e.g. *famularis*, *palmaris*, *vulgaris* compared with *talis*, *animālis*, *frugālis*, *augurālis*, *edŭlis*, &c.

So also a preceding **l** is changed into **r**; e.g. **cæruleus** from **cælum**; **Parilia** from **Pales**.

WEAKNESS: In some words the spelling varied between a single **l** and double **l**, viz.:

1. if **l** (not being a case-inflexion) followed **l**, the grammarians held that single **l** should be written; e.g. **mille**, **millia** (Mon. Ancyr. has **millia**); **Messalla**, **Messālina**; **villa**, **vīlicus**; but **stillicidium** (not **stillicidium**) usually. So inscriptions give both **Amulius** and **Amullius**; **Petilia**, **Petillius**; **Popilius**, **Popillius**; &c., but **-ilius** is much more frequent than **-illius** in most words; **Pollio** however is more frequent than **Pollo**.

2. the suffix **-ēla** is in good MSS. written **-ella** after a short syllable; e.g. **lōquella**, **quērella**, **mēdella**; **suādēla**, **tūtēla**, **corruptēla**.

R.

CHARACTER: usually as above, but in early inscriptions the right hand lower limb is very short.

SOUND: the sound made by vibration of the point of the tongue: rather the Italian or German **r**, than the English.

POSITION: frequently final; viz. in nom. and neut. acc. singular of nouns, and in 1st and 3rd persons singular and plural of passive verbs. It can stand immediately before any final consonant; e.g. **ars**, **arx**; and immediately after an initial mute.

REPRESENTATION: 1. in Greek, by **ρ**; e.g. **Roma**, **Ῥώμη**; **Trebia**, **Τρεβία**; **Tiberius**, **Τιβέριος**; **Hernici**, **Ἑρνικες**; **Brutus**, **Βροῦτος**; &c.

2. of Greek **ρ**; e.g. **κρατήρ**, **crater**; **ρήτωρ**, **rhetor**; **Πάρις**, **Paris**; &c.

3. of Greek **λ**; e.g. **κανθήλιος**, **cantērius**.

CORRESPONDENCE: 1. to an original Indo-European **r**.

132

2. to Greek **ρ**; e.g. **ar-ma**, **ar-mus**, **ar-tus**, **ars**, **ἄρ-**, **ἀραρίσκω**, **ἄρθρον**, **ἄρτιος**; **āro**, **arvum**, **ἀρόω**, **ἄρουρα**; **rātis**, **rē-mus**, **ἐρέσσω**, **ἐρέτης**, **ἐρετμός**; **ardea**, **ἐρωδιός**; **ōrior**, **ὄρνυμι**; **rāpa**, **ῥᾶπυς**, **ῥᾶφαιος**; **rēpente**, **ρέπω**; **frigus**, **ρίγος**; **rādix**, **ρίζα**; **rixa**, **ῥις** (**εριδ-**); **rīvus**, **ρέω**, **ρεύσις**; **sero**, **sertum**, **series**, **servus**, **εἶρω** (**ἔρ-**, **ἐρ-**), **σειρά**, **ὄρμος**; &c.

3. to Greek λ (rarely); e.g. *grando*, χάλαζα; *hirundo*, χελιδών; *strigillis*, *stringo*, στλεγγίς, στελγίς, στραγγεύω; *hāru-sperx*, hilla, χόλιξ, χορδή; *curvus*, κυρτός, κυλλός.

SUBSTITUTION: 1. R between two vowels is frequently, and ¹⁸³ final r is sometimes, a substitute for an earlier s¹. But this substitution was prior to any inscription which we have, and may probably be referred to the fourth century B.C. on the ground of Cicero's statement (*Fam.* 9, 21), that L. Papirius, consul 336 B.C. (=418 U.C.), was the first of his family who ceased to be called Papisius. (Cf. Pompon. *Dig.* i. 2. § 36.)

This change is noted in

(a) stems; e.g. *lares* for *lases* (in song of Arval brothers); *aras* for *asas*; *ferias* for *fesias*; *arena* for *asena*. Compare *nār-is*, *nās-us*; *hēri*, χθής, *hes-ternus*; *puer*, *pūs-us*; *ēr-am*, *ēr-o*, *sum* (for *ēs-um*); *gēro*, *ges-tum*; *ūr-o*, *us-tum*; &c. *quæro*, *quæso*.

(b) *dari* for *dasi*; *dīrimere*, *dīrhibere* from *dis-*.

(c) noun suffixes; e.g. *pignōra*, *pignus*; *onēra*, *onus*, *onustus*; *vetēra*, *vetus*, &c.; *Venēris*, *Venus*; *Cerēris*, *Cerēs*; *pulvēr-is*, *pulvis*. So also *honor* has old form *honōs*; *arbōr*, *arbōs*; *robur* had once *abl. robōse*, and apparently *nom. robus*.

So also adjectives; e.g. *Papīrius* for *Papīsius*; *Valērius* for *Valēsius*; *Veturius* for *Vetusius*; *Numērius* for *Numīsius*; *nefārius* compared with *nefas-tus*; *Etruria* with *Etrus-ci*; *me-liōrem* for *meliōs-em* (comp. neut. *melius*); *plurima* for *plusima*.

[The genitive plural suffix *-rum* is generally held to be for *-sam*; and the r of the passive voice to be for s; i.e. for *se*, the passive having been originally reflexive.]

(d) r before m and n appears to have sometimes arisen from s; e.g. *carmen* is connected with *casmēna* (old form of *camēna*). So *veter-nus* (for *veter-inus*) from *vetus*; *diur-nus* compared with *interdius*, *nudius*.

2. For d in the word *ad* (in composition), and *apud*, see § 160. 10. 11.

3. For l in suffix *-allis*, after a stem containing l, see § 176. 6.

¹ In some Greek dialects (e.g. Laconian, Elean, Eretrian) ρ is found for final s; e.g. τοῖρ, τῖρ, for τοῖς, τῖς; and for σ before consonants; e.g. κορμῆται for κοσμηῆται; but not between vowels. See Curtius, *Gr. Etym.* p. 396, ed. 2.

INFLUENCE: 1. assimilates to itself the final letter of the pre-¹⁸⁴positions *com*, *in*, *ad*, *sub*; e.g. *corripio*, *irrogo*, *arripio*, *surripio*. (No instances in republican inscriptions.)

2. Changes a preceding *tv* to *d*, in *quadriduum*, *quadrupes*, &c., from *quattuor* (§ 158). *tr*, later *dr*, is found in some early transcriptions of Greek words (§ 148. c).

3. dislikes short *i* (for *ë*) to precede it; comp. *legis*, *legit*, *legitur*, with *legëris*, *legëre*, *legërem*; *Numërius* with *Numisius*; *confëro*, *contëro* compared with *colligo*, *corrigo*; *pario*, *pepëri*, *comperio* compared with *cädo*, *cecidi*, *conciädo*; *pulvis*, *cucumis* with *pulvërem*, *cucumërem*; *anser*, *anseris* with *ales*, *alitis*; *funus*, *funeris* with *homo*, *hominis*; &c.

The only Latin words in which *r* is preceded by a short *i* are *vir*, *viridis*, *vireo*, &c.; *Qvirites*, *Qvirinus*; *pirus*, *pirum*; *hirundo*, *hिरundo*; and *dīr-* for *dis-* in composition; (e.g. *dirimo*). Comp. also *Hirrus*, *hirrio*. In *vir*, *virtus*, &c. *i* is said by the Roman grammarians to have had the sound of Greek *υ*. Cf. § 237.

4. prefers a vowel before it, instead of after it; e.g. *cer-no*, *certus*, compared with *κρίνω*, *crēvi*, *crē-tum*; *serpo*, *rēpo*; *sorbeo*, *ρόφέω*; *porrum*, *πράσον*; *bardus*, *βραδύς*; *tertius*, *τρίτος*; *corcodilus* (sometimes), *κροκόδειλος*; *caro*, *carnem*, *κρέας*; *tarpessita* (sometimes), *τραπεζίτης*; *farcio*, *φράσσω*; *Tarsumennus*, also *Trasumennus*. This metathesis appears to have been common to the Latin with the Æolo-Doric Greek. (Ritschl, *Opusc.* ii. 531.)

5. occasioned the omission of a subsequent *s*, or of *s* preceded by a short vowel; e.g. *puer* for *puerus*, *tener* for *tenerus*, *orator* for *orators*, &c.

6. *rr*, *rg* converted a subsequent suffixed *t* to *s*; e.g. *curr-o*, *cur-sum*; *merg-o*, *mersum*; &c. (see § 52. 3).

WEAKNESS: 1. is assimilated to a succeeding *s*, and then¹⁸⁵ often omitted; e.g. *prōsa*, for *proversa* (*oratio*): *rusum* (also *russum*) for *rusum* (*reversum*); *Tuscus* for *Turscus* (comp. *Etruscus*); *tos-tus* for *torstus* from *torr-eo* (which was for *tors-eo*, comp. *τέρσομαι*). *Pono* for *por-sino*, *pos-sino*, *posno*. (Corssen.)

2. is omitted (sometimes) when the following syllable contains *r*; e.g. *mulle-bris* from *muller-*; *fune-bris* from *funer-* (*funos-*); *febris* from *ferveo*; *pē-jerare* for *perjerare*.

The same dislike of the repetition of *r* is seen in the retention (or preference) of *-ālis* instead of *-āris* as a suffix when an *r* precedes; and in the rare occurrence of the future participle (except *futurus*) in the genitive plural. Neue (II. 462) mentions only *venturorum* (Ov.); *iturarum*, *exiturarum*, *transiturarum*, *moriturorum* (Sen.); *periturorum* (Sen. Quintil.).

s.

CHARACTER: as above; but the older form was angular. 186
Other Italian alphabets, viz. Etruscan, Umbrian, and old Sabellian had two characters, Σ (or an angular s) and M, for sibilants, apparently the sounds s and sh. The Samnite (Oscan) and Faliscan agreed with the Roman.

SOUND: a hiss, as English initial s (e.g. in *sin*), i.e. s sharp. 187
At one time s between two vowels was probably sounded, as medial and final s is often sounded in English (e.g. *reason*, *rose*); i.e. s flat, which is same as z: hence the change of s to r (§ 183), the position of the organs being very similar for z and r. Final s was at one time not audible.

POSITION: very frequently final both in nouns and verbs. It 188
never stands (in Latin words) immediately after an initial consonant; but often before p, c, t.

REPRESENTATION: (i) in Greek by s; e.g. *Sergius*, Σέργιος; 189
Spurius, Σπόριος; *Kæso*, Καίσων; *Crassus*, Κράσσος; &c.

(ii) 1. of Greek s; σοφιστής, *sophistes*; σπλήν, *splen*; &c.

2. of Greek initial ζ before Cicero's time; e.g. *Zēthos*, *Setus*; ζώνη, *sona*; &c.

3. ss for Greek medial ζ before Cicero's time; e.g. *μάζα*, *massa*; *κωμάζω*, *comissor*; *μαλακίζω*, *malacisso*; Ἀττικίζω, *Atticisso*; &c. (In the Tarentine dialect such forms as *λακτίσσω*, *σαλπίσσω* are said to have occurred.) So the Etruscan *Mezentius* was in the older language *Messentius*.

CORRESPONDENCE: 1. to an original Indo-European s. 190

2. to Greek s; e.g. *sum* (for *es-um*), εἰμί (for *ἐσμί*); *vestis*, ἐσθής, ἔννυμι; *sānus*, σάος, σῶς; *sūs*, σῦς, ὕς; *vesper*, ἑσπερος; *scūtum*, σκῦτος; *scīpio*, σκήπτρον; *sporta*, σπυρίς; &c.

3. to Greek rough breathing; e.g. *sal*, ἅλς; *sālio*, ἅλλομαι; *sex*, ἕξ; *septem*, ἐπτά; *sēdeo*, *sēdes*, ἕζομαι, ἕδος; *se*, *suus*, εἰ, σφε (for σφε), εἰός, σφός; *serpo*, *rēpo*, ἔρπω; *simplex*, ἀπλός; *silva*, ὕλη; *sisto*, ἴστημι; *sōlus* (old *sollus*), ὅλος; *sōpor*, *somnus*, ὕπνος; *sōcer*, ἐκυρός; *sub*, ὑπό; *super*, ὑπέρ; &c.

SUBSTITUTION: 1. st for tt or dt, if the last t was to be pre- 191
served; e.g. *claustrum* from *claudo*; *tonstrix* from *tond-eo*; *equester*, *equester* from *eques* (ἐquēt-); &c. Cf. § 151. 2.

2. **ss** (or **s**) for **ts** or **ds**; e.g. **clau-si** for **claud-si**; **mi-si** for **mit-si**; **equēs** for **equēt-s**; **es-se** for **ed-se** (i.e. *ēdere to eat*); **frons** for **front-s** and for **frond-s**; &c.

So also **n** (sometimes) and **r** (rarely) are assimilated to a following **s**, and, it may be, subsequently omitted; e.g. **formōsus** for **formon-sus** (Verg., Ov.); **imperīōsus** or **-ossus** for **imperion-sus**; **viclēs** for **viclens**; **vicēsūmus** for **vicensūmus**; **trigesūmus** for **trigensūmus** (see below 4); **mensās** (and other acc. plurals) for **mensams** (~~mensans~~); **dispressus** for **dispan-sus**; **mostrum** from **monstrum** (see next §).

Prōsa for **proversa** (**prorsa**); **prōsus** for **prorsus**; **rūsus** (or **rusus**) for **rursus**. But **mer-sus**, **ver-sus**, &c. (see next §) remain (§ 42).

3. **s** for **t** after **lg**, **rg**, **ll**, **rr**; e.g. **mul-sum** for **mulg-tum**; **mer-sum** for **merg-tum**; **cur-sum** for **curr-tum**; **pul-sum** for **pell-tum**, &c. (Quintilian, I. 4. 14, speaks of **mertare**, **pultare**, as being the old forms for **mersare**, **pulsare**.) Rarely after single mutes; e.g. **lap-sum** for **lab-tum**; &c. (see § 705 and Preface).

4. **ss** (or **s**) for **dt** or **tt**; (i.e. **dt**, **tt**, become **ds**, **ts** as in preceding paragraph, and then by assimilation **ds**, **ts** became **ss**, of which one **s** was after Cicero's time omitted¹; e.g. **cessum** for **ced-tum**; **cāsum** (**cassum** Cic.) for **cad-tum**; **mis-sum** for **mitt-tum**; **sen-sum** for **sent-tum**; **divisum** (**divisum** Cic.) for **divid-tum**; &c. **vicen-sūmus** for **vicent-tūmus**; **trigensūmus** for **trigent-tūmus** (see above 2); &c.

5. **-iss** for **iōs** (cf. § 242) in adjectives of the superlative degree; e.g. **durissimus** for **duriōsimus**; **doctis-simus** for **doctiōs-imus**, &c. See also the next paragraph and the Preface.

6. **ss** in **prohibessit**, **levassit**, &c. appears to be only indicative of the length of the preceding vowel. Possibly there may have been some confusion with such forms as **complessent**, **recesset**, **levasse**, &c. which contain the perfect suffix **-is**. Moreover an **s** left single would have formed an exception to the general law of Roman pronunciation which changed such an **s** to **r** (§ 183).

For the etymology of **arcesso**, **capesso**, &c. see § 625.

INFLUENCE: I. Changed a preceding flat consonant to sharp; ¹⁹² e.g. **scrip-si** from **scrib-o**; **rexī** (i.e. **rec-si**) from **reg-o**. So (in

¹ Quintilian's words (I. 7. 20) deserve quoting; "Quid quod Cicero-
nis temporibus paulumque infra, fere quotiens s littera media uocalium
longarum uel subjecta longis esset, geminabatur? ut 'caussae,' 'cassus,'
'diuissiones:' quomodo et ipsum et Vergilium quoque scripsisse manus
eorum docent. atqui paulum superiores etiam illud, quod nos gemina
dicimus 'jussi,' una dixerunt."

pronunciation at least) *op-sequor*, *sup-signo*, though *b* in *sub* (*subs*) sometimes fell away; e. g. *suspicio* (§ 78).

2. changed a preceding *m* to *n*; e. g. *con-scribo*, *consul*, &c.; or required insertion of *p*; e. g. *hiemps* for *hiems*; *sump-si* for *sum-si*; &c. (but *pres-si* (for *pren-si*) from *prēm-o*).

3. Completely assimilated, or threw out, a preceding *d* or *t* (always), *n* or *r* (sometimes); e. g. *ces-sum* for *ced-sum*, for *ced-tum*; &c. See § 191, 2. But *mons* for *monts*; *ars* for *arts*. See § 42.

4. *ns* lengthens a preceding vowel: see § 167. 2.

WEAKNESS: 1. Initial *s* has fallen off before a consonant in some words; e. g. *fallo* compared with *σφάλλω*; *fungus* with *σφόνγγος*; *tēgo* with *στέγω*; *tōrus* with *sterno*, *στόρνυμι*, *στρώννυμι*; *tōno* with *στένω*; &c., but in most stems the Greek and Latin agree in this matter, and the omission is discernible only by comparison with other languages; e. g. *nix*, *νίφει* compared with *snow*; *taurus*, *ταῦρος* with *steer*; *limus* with *slime*; &c.

2. Medial *s* falls away before nasals, liquids, and other flat consonants.

(a) before *m*; e. g. *dūmus* for *dus-mus* (comp. *δασύς*); *Camēna* for *Casmēna*; *pōmerium* for *posmœrium*; *trirēmis* compared with *triresmos* (Duillian inscript.); *dīmota* for *dismota*; *trā-mitto* for *transmitto*; &c.

(b) before *n*; e. g. *pōno* for *posno* (comp. *pos-ui* and § 185); *vidēn* for *vides-ne*; in (Ter. *Eun.* 651) for *is-ne*, *art going?*; *satīn* for *satis-ne*; *ae-num* for *aes-num* (*æs-*).

(c) before *d*; e. g. *jū-dex* for *jus-dex*; *Idem* for *is-dem*; *tre-decim* for *tres-decim*; *dīduco* for *dis-duco*.

(d) before *l*, *r*; e. g. *dīlabor*, *dīriplo* for *dis-labor*, &c.

3. *s* between two vowels almost always changed to *r* in early times, see § 183. Consequently no Latin words exhibit *s* between two vowels,

Except (a) where *s* is not original, but due to a substitution (often indeed standing for *ss*); e. g. *prōsa*, *hæ-sum*, *esūries*, *ausim*, *causa* (*caussa*, Cic.), *formōsus*, &c. where it stands for *d* or *t*.

(b) compounds of words where *s* was initial; e. g. *de-sillo*, *positura*, *præ-sentia*, *bi-sextus*, &c.

(c) the following words (some of which may perhaps fall under the foregoing classes), viz. *āsīnus*, *bāsium*, *cæsāries*, *cæsius*, *cāsa*, *cāseus*, *cīsium*, *fūsus*, *lāser*, *mīser*, *nāsus*, *pūsillus*, *quā-*

sillum, **quæso** (also **quæro**), **rōsa** (comp. **ῥόδον**), **vāsa**; and some proper names; e.g. **Cæsar**, **Kæso**, **Lausus**, **Pisa**, **Pisaurum**, **Sisenna**, **Sosia** (**gæsum** is a Keltic word).

4. Final **s** became **r**; (*a*) in the nom. sing. of stems in **s** (in compliance with the change in the other cases?); e.g. **arbor** from **arbōs-**; **honor** from **honōs-**; **robur** from **robōs-**; **mellior** from **melliōs-**; &c.

(*b*) where a vowel originally followed; e.g. **puer** for **puerus**, originally **puesus**. The characteristic **r** of the passive voice is generally held to be for **se**.

5. Final **s** after a vowel at an early period of the language was frequently not pronounced, and thus frequently omitted in writing also. (In the 4th century after Christ the same tendency recurred and remains in Italian, &c.) Instances are

(*a*) nom. sing. of **-a** stems; e.g. **nauta**, **scriba**, &c. compared with **ναύτης**, &c.; **luxuria**, **spurcitia**, &c. with **luxuries**, **spurcities**, &c. See Book II.

(*b*) nom. sing. of **-o** stems; e.g. **ille**, **ipse** for **illus**, **ipsus**. So perhaps the vocatives **domine**, **filii** (= **filie**), &c. which however most philologists take for the stem itself weakened.

So, frequently in early inscriptions, **Cornelio**, **Fourlo**, **Herenio**, &c. for **Cornelios**, **Fourios**, **Herenios** (nom. sing.), the forms with **s** (both **-os** and **-us**) occurring likewise at the same time. In later, chiefly imperial, inscriptions occur, e.g. **Philarguru**, **Secundu**, &c.

s with the preceding vowel (**ō** at that time) fell off in **puer** for **puerus**, **tibicen** for **tibicenus**, &c. Inscriptions (e.g. *S. C. Bacc.*) give **Claudi**, **Valeri**, &c. for **Claudios**, **Valerios** (nom. sing.), which some refer to a shortened form **Claudis**, **Valeris**, as **alis** for **alius**; some take to be a mere abbreviation.

(*c*) **pote** (all genders) for **potis**; **mage** for **magis** (adv.). After **l** and **r** we have **vigil**, **pugil** for **vigilis**, **pugilis** (nom. s. masc. fem.); **acer**, **equester**, **saluber** (m. nom.), &c. for **equesteris**, **saluberis**; &c.

(*d*) The nom. pl. of **-o** stems of all kinds in early inscriptions had frequently **s** final, which the ordinary language dropped; e.g. **Minucleis**, **Vituries**, **Italiceis**, **vireis**, **publiceis**, **conscriptes**, **heisce**, **hisce**, &c. See Book II.

(*e*) The ordinary genitive sing. of **-a**, **-e**, and **-o** stems, e.g. **familiæ** or **familiæi**, **diei** or **die**, **domini**, is either formed by omission of a final **s** as in old genitives, **familiās** (for **familiæes**); **dies**, **rabies**, **illius** (for **illo-ius**); or is a locative form in **-i** (so Bopp, Madvig, and others). Only in late inscriptions occur **integritati**, **Isidi**, &c. for **integritatis**, **Isidis**, &c.

(f) In verbs (2nd pers. sing. of passive voice) **amabare**, **loquerere**, **conabere**, &c. for **amabaris** (old **amabares**), &c. So the imperative present (unless taken as the bare stem, cf. 5. b) is formed from the indicative present; e.g. **ama**, **amate** for **amas**, **amatis**, &c.

The old imperative forms **præfamino**, **progredimino**, &c. are for **præfaminos**, **progrediminos**, having same suffix as **τυπτ-όμενος**, and therefore belong to (b).

(g) In the early poets, so also frequently in Lucretius and once in Catullus, the final **s** before an initial consonant was treated as omitted; e.g. at end of some hexameters, quoted for this purpose by Cicero (*Or.* 48, § 161), **Qui est omnibu' princeps; Vita illa dignu' loquoque**. Compare Vergil, *Æn.* XII. 115, **Solis equi lucemque elatis naribus effiant**, copied, with a transposition on this ground, from Ennius (p. 85, Vahlen), **funduntque elatis naribus lucem**.

Z.

This letter was common in Umbrian and Oscan. It is found¹⁹⁴ for instance in the Latin transcription of an Oscan law of the time of the Gracchi (*Corp. Inscr. Lat.* No. 197). It is also found in an extract from the song of the Salii given by Varro (*L.L.* VII. 26). In Latin it appears first (unless the above be an exception) in Cicero's time, merely to write Greek words, which were before written with **s** or **ss**.

The introduction of **z** into Plautus must therefore probably be due to a later recension.

In the writers of the 3rd and 4th centuries after Christ **z** is¹⁹⁵ used for **di** in the words **zaconus**, **zabulus**, **zeta**, &c. for **διάκονος**, **διάβολος**, **δίαιτα**, &c. So in an Algerian inscription (198 A.D.) **Azabenico** for **Adiabénico**.

The converse is seen in manuscripts giving **glycyrridia**, **gargari-diare**, **Medientius** for **γλυκύρριζα**, **γαργαρίζειν** and (Etruscan) **Me-zentius**.

(In Æolic dialect of Lesbos **ζά** is found for **διά**; e.g. **ζὰ νυκτός**; and so in tragedy, **ζάπυρος**, **ζάχρυσος**, &c. So **πεζός** for **πέδιος**, &c.). It seems probable that **ζ**, and, if so, then Latin **z**, was (at least sometimes) sounded like English **j** (which sound soon rises out of **dy**) or French **j**; but Curtius, Corssen, and others (not Key or Donaldson) assign it the sound of English **z**, as in modern Greek.

CHAPTER IX.

VOWELS.

THE Latin vowels will here be treated in the order which appears to have been followed in the development of the language; viz. **a**, **o**, **u**, **e**, **i**. That is to say, where one vowel has given place to another, it has been in the direction of **a** to **i**, not **i** to **a**. Thus **a** was capable of changing to **o**, or **u**, or **e**, or **i**; **o** to **u**, or **e**, or **i**; **u** to **e** or **i**; **e** to **i**. Changes which *prima facie* seem to be made in the reverse direction are the result of our regarding, as the standard form, what is really a later development¹: e.g. **mare**, from the stem (as we now call it) **mari-**; **effectus** from **efficio**, &c. (See Ritschl, *Rhein. Mus.* (1859) XIV. p. 406. *Opusc.* II. 622, n.) But see § 234. 5. and 244. And the priority of **e** to **i** in the **-i** stems rests on but little positive evidence.

A.

CHARACTER: usually as above, but all positions of the middle stroke are found; e.g. bisecting the angle, or bisecting either side and parallel to, or touching the bottom of, the other.

SOUND: as Continental **a**; viz. long **ā** as in *psalm*; short as the broader pronunciation of *pastime*.

POSITION: frequently final

199

1. in nouns; as nom. (**ā**) and abl. (**ā**) singular, of **a-** stems, and nom. acc. neuter plural (**ā**) of all stems;

2. in verbs; only 2nd pers. sing. pres. imperative (**ā**) of **a-** verbs.

REPRESENTATION: (i) in Greek by **α**; e.g. **Marcus**, **Μάρκος**; **Fabius**, **Φάβιος**; **Publicola**, **Ποπλικόλας**; **Alba longa**, **Ἄλβα λόγγα** (Dionys. H.); &c.

(ii) of Greek **α**; e.g. **Ἀλκμήνη**, **Alcumena** (Plaut.); **Ἀγαμέμνων**, **Agamemno**; **φάλαγξ**, **phalanx**; **παραπήγμα**, **parapegma**; &c.

of Greek **αι**; e.g. **κραিপάλη**, **crāpula**.

¹ Corssen contests this, arguing for the priority in some cases of **e** to **u**, and of **i** to **e**. *Krit. Beitr.* p. 546 foll. So also Schleicher, *Vergl. Gram.* § 49, ed. 2. See also Corssen, *Aussprache*, II. 226, ed. 2.

CORRESPONDENCE¹: I. To an original Indo-European A.

201

2. *ā* to Greek *ǎ* (usually); e.g. *āgo*, *ἄγω*; *angor*, *ἄγχομαι*; *ālius*, *ἄλλος*; *āb*, *ἀπό*; *ārgentum*, *ἄργυρος*; *dāps*, *δᾶπάνη*; *lātēre*, *λαθεῖν*; *pāter*, *πατήρ*; *cālāre*, *καλέω*; *sal*, *sālum*, *ἄλς*, *σάλος*; &c.

3. *ā* to Greek *ε*; e.g. *angustus*, *ἐγγύς*; *cāput*, *κεφαλή*; *magnus*, *μέγας*; *sālix*, *ἐλίκη*; *pāteo*, *πετάννυμι*; *quattuor*, *τέσσαρες*; *māneo*, *μένω*; *mālus bad*, *μέλας*; &c.

4. *ā* to Greek *ὄ* (rare); e.g. *salvus*, *ὀλοός*, comp. *ὀλόφρων*; *hāru-spez*, *χολάς*; to *ω*; e.g. *cāpulum*, *κώπη*; *ām-ārus*, *ὠμός*.

5. *ā* to Greek *ᾱ*, Doric and, after *ρ* or a vowel, Attic; otherwise Attic *η*; e.g. *suāvis*, *ἀδύς*, *ἡδύς*; *clāvis* (*κλαF-*), *κλαῖς*, *κληῖς*; *mālum*, *ἄππλε*, *μᾶλον*, *μῆλον*; *māter*, *μᾶτηρ*, *μήτηρ*; *plāga*, *πλᾶγά*, *πληγή*; *frāter*, *φρατήρ*; *fā-rī*, *φαμί*, *φημί*; *ajō*, *ἡμί*; *farcio*, *φράσσω*; *stāre*, *ἴσταμι*, *ἴστημι*; *mācero*, *μάσσω*; *pannus*, *πᾶνος*, *πῆνος*.

6. *ā* to Greek *ω*; e.g. *lābes*, *λώβη*; *ācer*, *ὄκιος*, *ὠκύς*.

7. In suffixes, to Greek *α* or *η*; e.g. *ama-*, *amābo*, *τιμάω*, *τιμήσω*; *legātis*, *λέγητε*; *caritās*, *φιλό-της*; *musa*, *μουσα*; *serva*, *δούλη*; *nauta*, *ναύτης* (*ναύτας*, Dor.); *magna*, *μεγάλα* (neut. pl.); &c.

CONTRACTION, HIATUS, &c.: I. Hiatus is rare; e.g. *Gālus*, &c. 202 (§ 139).

2. *ā* + *ō* to *a*; e.g. *māg-vōlo*, *mālo*: (on the omission of the *g*, see § 129. c).

3. *ā* + radical *u* to *au* (which then absorbs a short *i*); e.g. *ga-video*, *gaudeo*; *cāvitum*, *cautum*; *āvīceps*, *auceps*; &c.

4. *ā* + *ē* to *ā*; *amāvērunt* (later *amavērunt*), *amārunt*; &c.

5. *ā* + *ī* to *ē*; e.g. *amāitis*, *amētis*; &c.

6. *ā* + *i* to *ā*; e.g. *prima-īnus*, *primānus*; *ama-ītis*, *amāitis*; *amāvisse* (with *i*?), *amāsse*; &c.

CHANGE OF QUANTITY: I. in the radical vowel of derivatives; 203 e.g. *plācēre*, *plācāre*; *āgere*, *amb-āges*, *ā-ctus* (§ 151, note); *sāgax*, *sāgus*, *præsāgire*; *frāg-ilis*, *suffrāgium*; *flāgrare*, *flāgītium*, *flāgito*; *tāg-*, *tango*, *contāges*; *lābāre*, *lābī*; *cārēre*, *cārus* (comp. *Cāristia*); *sā-*, *sātor*, *Sāturnus*; *fāteri*, *fātum*, *fāri*; *pāg-*, *pango*, *pāci-* (*pax*), *pācare*, *compāges*.

¹ The instances of *correspondence* of vowels, throughout this chapter, are taken from Curtius' paper, *Ueber die Spaltung des A-Lautes*. (*Berichte d. k. sächsischen Gesellschaft &c.*, Leipzig, 1864.)

2. Lengthened as a means of inflexion; e.g. *cāveo*, perf. *cāvi*; *fāveo*, *fāvi*; *pāveo*, *pāvi*; *lāvo*, *lāvi*; (perhaps however for *cav-ui*, &c.); *scābo*, *scābi*. (For *jācio*, *jēci*, &c. see below § 204.)

3. Lengthened in compensation for extrusion of a consonant; e.g. *lāna* comp. with *λάχνη*; *arānea* with *ἀράχνη*; *māior* for *māgior*; *cāsum* for *cassum* (*cād-tum*); &c.

4. In final syllables often shortened; e.g. in nom. sing. of *-a* stems *musā*, *scribā*; &c., which were probably originally long, and are sometimes found long in Plautus, Ennius, &c. So *technā* for *τέχνη*.

Before *-t*; e.g. *amāt*, *audiāt*, *regāt*, &c.; all originally long.

Also *calcār*, *pulvinār*, for *calcāre*, &c.; *bidentāl* for *bidentāle*; &c.

CHANGE OF QUALITY: 1. Radical *a* changed and lengthened²⁰⁴ by way of inflexion; e.g. *jācio*, *jēci*; *cāpio*, *cēpi*; *fācio*, *fēci*; *āgo*, *ēgi*; *pango*, *pēgi*.

2. Radical *a* changed after a prefix:

(a) *ā* to *ē* before two consonants or a final consonant; e.g. *carpo*, *discerpo*; *spargo*, *aspergo*; *farcio*, *confertus*; *rāpio*, *correptus*; *jācio*, *rejectus*; *cāpio*, *inceptus*; *pasco*, *compesco*; *scando*, *conscendo*; *damno*, *condemno*; *tracto*, *detrecto*; *pātro*, *perpētro*; *sācer*, *consecro*; *fallo*, *fefelli*, *refello*.

Ars, *sollers*; *pars*, *expers*; *barba*, *imberbis*; *āgo*, *remex*; *fācio*, *artifex*, *effectus*; *cāput*, *anceps*; *cāpio*, *munciceps*; *cāno*, *cornicen*, *concentus*; *annus*, *triennium*, *perennis*; *castus*, *incestus*. (But *abstractus*, *subactus*, *expando*, *exaggero*, *incandesco*, &c.)

(b) *a* to *e* before *r*, or (rarely) some other single consonant, e.g. *pātor*, *perpētior*; *grādiōr*, *ingrēdiōr*; *fātisco*, *defētiscor*; *fātigo*, *defētigo* (also *defatigo*); *pāciscor*, *depēciscor*; *pāro*, *impēro*, *aequipēro*; *pārio*, *pepēri*, *compērio*; *hālo*, *anhēlo*. (But compare *subtraho*, and words compounded with *per*, *post*, *circum*, &c.; e.g. *perfacilis*, *permaneo*, *posthabeo*, &c. Also *repāro*, *exāro*, &c.)

(c) *ā* to *i* before *ng*; e.g. *pango*, *impingo*; *frango*, *confringo*; *tango*, *attingo*; &c. Before *x*; e.g. *laxus*, *prolixus*.

(d) before a single consonant, except *r*; e.g. *rāpio*, *abrīpio*; *sāpio*, *desīpio*; *cāpio*, *incīpio*; *āpiscor*, *indīpiscor*; *hābeo*, *prohībeo*; *stātuo*, *instituo*; *fāteor*, *infīteor*; *lāteo*, *delītesco*; *āgo*, *prodīgo*; *jācio*, *inīcio*; *fācio*, *infīcio*; *tāceo*, *contīcesco*; *cāno*, *concīno*; *māneo*, *immīneo*; *cādo*, *incīdo*; *sālio*, *insīlio*; &c. (But *adāmo*, *adjāceo*, &c.)

tango, *tētīgi*; *cādo*, *cēcīdi*; *cāno*, *cecīni*; *pango*, *pepīgi*.

rātus, *irritus*; *dātus*, *condītus*, *condītor*; *pāter*, *Juppīter*; *cāput*, *stīnciput*; *stābulum*, *prostībulum*; *āmicus*, *inīmicus*; *fācetus*, *infīcētus*; *fācies*, *superfīcies*; *fācilis*, *diffīcilis*.

(e) *ă* to *ŭ*, only before labials, or before *l* with another consonant; e.g. *căpio*, *aucŭpări*, *occŭpăre*; *răpio*, *subrŭpio* (early Latin); *tăberna*, *contŭbernium*; *lăvo*, *dilŭvies*; *salto*, *insulto*; *calco*, *inculco*; *salsus*, *insulsus*. So also *quătio*, *concŭtio*, (on account of *qu*).

3. Radical *a* to *o* in derivative; e.g. *pars*, *portio*; *scăbere*, *scôbia*.

4. *ă* as final vowel of stem is changed to *i* before a suffix commencing with a consonant; e.g. *domă-*, *domĭtum*, *domĭtor*, *domĭnus*; *cubă-*, *cubĭtum*, *cubĭculum*; *herbă*, *herbĭdus*; *stellă*, *stellĭger*; *tubă*, *tubĭcen*.

o.

CHARACTER: In early inscriptions the *o* is frequently not quite closed.

SOUND: Probably varying between *aw* English and *au* French. Compare the modern Italian. These sounds are heard short in English *nŏt* and *ŏmit*.

POSITION: Frequently final; viz. *i*. in dat. abl. sing. of nouns with stem in *-o*; e.g. *domĭno*, &c., and in nom. sing. of nouns with stem in *-on-*; e.g. *lectio*, *sermo*, *margo*, &c. and the words, *duo*, *ego*. In the older language *o* was even more frequently final, owing to the omission of *m* and *s*; e.g. *optumo*, *Cornelio*, &c. for *optumom*, *Corneliŏs* (nom.).

2. In first pers. sing. indic. act. of verbs; e.g. *amo*, *amabo*, *amavero*, &c.; and in 2nd and 3rd pers. sing. future imperative active; e.g. *amato*, &c.

3. In adverbs; e.g. *cito*, *pro*, *modo*, *quando*, &c.

REPRESENTATION: (i) in Greek; *ō* by *ω*, *ŏ* by *ο*; e.g. *Kæso*, *Καίσιων*; *Capitolinus*, *Καπιτωλίνος*; *Roma*, *Ῥώμη*; *Postumius*, *Ποστούμιος*; *Cornelius*, *Κορνήλιος*; &c.

(ii) *i*. of Greek *ω* and *ο*; e.g. *Λακεδαίμονος*, *Lacedæmōnis*; *ἄρκτον*, *arcton*; *στόμαχος*, *stomachus*; *Παρμένων*, *Parmeno*; *Τρώιος*, *Troius*; *Ῥόδος*, *Rhodos* (or *Rhodus*); &c.

2. *ŏ* of Greek *υ*; e.g. *λάγνος*, *lagōna* or *lagœna*.

3. *ŏ* is inserted in Latin of second century B.C. where in Greek two consonants touch; e.g. *Ἀγαθοκλῆς*, *Agathocoles*; *Πατροκλῆς*, *Patricoles*; *Ἡρακλῆς*, *Hercoles* (later *Hercules*); &c.

CORRESPONDENCE: I. to an original Indo-European A.

209

2. *ǫ* to Greek *ō* usually; e.g. *boāre* (*bonāre* Enn.), *βοᾶν*; *-vōrus*, *vorāre*, *-βορός*, *βιβρώσκειν*; *bōvis*, *βοός* (gen.); *dōlus*, *δόλος*; *dōmus*, *δόμος*; *incōlūmis*, *κολούω*; *cōma*, *κόμη*; *corvus*, *κόραξ*; *coxa*, *κοχώνη*; *mōrior*, *βροτός* (for *μορτός*); *ōdor*, *ὄζω*; *ōvis*, *ὄις*; *octo*, *ὀκτώ*; *oculus*, *ὄπ-ωπα*; *orbis*, *ὀρφανός*; *os*, *ὀστέον*; *vox*, *ὄψ*; *portus*, *πορθμός*; *pōtis*, *πόσις*; *sorbeo*, *ρόφέω*; *cōrium*, *scortum*, *χόριον*; *hortus*, *χόρτος*; *rōsa*, *ρόδον*; *ōrior*, *ὄρ-νυμι*; *porro*, *πόρρῳ*; *ab-ōlere*, *ἀπ-ολύναι*; &c.

3. *ǫ* to Greek *α*; e.g. *dōmāre*, *δαμᾶν*; *dōceo*, *διδάσκειν*; *dormio*, *δαρθάνω*; *jēcōris* (gen.), *ἥπατος*; *cordis*, *καρδίας*; *cornus*, *κράνον*; *lōquor*, *λακεῖν*; *marmor*, *μάρμαρος*; *quattuor*, *τέσσαρες*; &c.

4. *ǫ* to Greek *ε*, chiefly before or after *v*; e.g. *sōcer*, *έκυρός*; *volvo*, *εἴλω* (*Feλ-*); *vōlup*, *έλπομαι*; *vōmo*, *έμέω*; *pōvem*, *έννέα* (for *νεFa*); *ōb*, *έπί*; *cornu*, *κέρας*; *pōvus*, *νέος*; *cōqvo*, *πέσσω*; *torqveo*, *τρέπω*.

5. *ǫ* to Greek *υ*; e.g. *nox*, *νύξ*; *mōla*, *μύλη*.

6. *ǫ* to Greek *ω*; e.g. *gnosco*, *γιγνώσκω*; *nos*, *νώ*; *vos*, *σφώ*; *dyum*, *ών*; *ambo*, *άμφω*; *umbo*, *άμβων*; *dōnum*, *δώρον*; *ōclor*, *ώκός*.

7. in suffixes: *ǫ* to Greek *ō*; viz. *-ōr-* to *-or-*; e.g. *oratōris*, *ρήτορος*; but also *-ōr-*; e.g. *datōris* (gen.), *δοτήρος*; *auditōrium*, *άκροατήριον*; &c.

-lōr- to *-ιον-*; e.g. *majōris*, *μείζονος*; &c.

SUBSTITUTION: I. *ǫ* for *au*; e.g. *Clōdus* for *Claudius*; *olla* for *aula*; *plostrum* for *plaustrum*; &c. So after a prefix; e.g. *plaudo*, *explōdo*; *fauces*, *suf-fōco*; &c. (See § 249.)

2. for *a* in derivatives; e.g. *portio* from *pars*, *scōbis* from *scābere*.

3. for *ē* (?) in derivatives; e.g. *tōga* from *tēgo*; *pondus* from *pendēre*; &c. (§ 234.5).

CONTRACTION, HIATUS, &c.: I. *o* + *ā* and *o* + *ē* remained without contraction; e.g. *co-āgi*, *co-āctus* (but this may be due to the *m* in *com*).

2. *o* + *i* (probably *I*) occurs in cases of *o* stems; viz. gen. sing. e.g. *domino-i*, *dominī*; dat. e.g. *domino-i* *domino*; nom. pl. e.g. *dominoes*, *dominois*, *dominī*. *Quoi*, *proin* are monosyllabic, though the vowels remain.

3. o + o, or ð, or i becomes ð; e.g. *copia* for *co-opia*, *cōperio* for *cooperio* (but *coortus* remains uncontracted); *coventio*, *contio*; *retro-versus*, *retrorsus*; *cohors*, *cors*; *co-igo*, *cōgo*; *movisse*, *mosse*; *mōvitor*, *mōtōr*; &c.; *prōbeat* for *prohibeat*; *comptus* for *coemp-tus*; *prōsa* for *proversa*.

Sometimes where a *v* has stood between the vowels, the resulting contraction becomes *ū*; e.g. *novendinæ* (*noundinæ* old), *nundinæ*; *mōvito*, *mūto*; *būbus* (rarely *bōbus*) for *bōvibus*; &c.

CHANGE OF QUANTITY: 1. in stems; e.g. *mōlestus*, *mōles* ²¹² (? cf. § 789); *vōcare*, *vōcem* (from *vox*); *sōnus*, *sōnāre*, *persōna*; *sōpor*, *sōpire*; *nōta*, *nōtus* (but *agnītus*), *nōmen*.

2. lengthened in compensation for an extruded consonant; e.g. *pōno* for *pōs-no*; *glōmus* for *glōb-mus*; *cōnubium* for *com-nūbium*; *hōc* for *hodcē*; &c.

In *formōsus* for *formonsus*; *dominōs* for *dominoms*; &c. the length of the *o* is probably due to *ns*. Cf. § 167. 2.

3. A final ð is sometimes shortened (see § 281);

(a) in the nom. sing. of proper names; e.g. *Scipīð*, &c. So also *mentīð*.

(b) in the 1st pers. sing. active present indicative; e.g. *vetð*, *putð*; rarely in other parts of the verb; e.g. *dabð*, *cæditð*, *oderð*; &c.

(c) in a few other words; e.g. *egð*, *citð*; and sometimes in *porro*, *intro*, *modo*.

4. in final syllables of Latin words ð followed by a consonant is regularly shortened; (a) in nom. sing. of stems in *-or*; e.g. *honðr*, *sorðr*, *oratðr*, *majðr*; (b) in 1st pers. sing. of passive voice; e.g. *amðr*, *amabðr*, *audiðr*; &c. (c) in 2nd and 3rd pers. sing. fut. imper. pass.; e.g. *amatðr*, &c.

CHANGE OF QUALITY. The general change of *o* to *u* took ²¹³ place about the same time as that of *ð* to *i*, see § 234. But it was retained after *v* till later (§ 93) and always in suffix *-ðlus* after *i* or *e* (infr. 2b).

Thus 1. *o* to *u* (usually) before two consonants (*mn*, *nc*, *nd*, *nt*, *lt*, *st*); e.g. (a) in 3rd pers. plural of verbs; e.g. *dederont*, *dedro* (old), *dederunt*; *cosentiont*, *consentiunt*; *legunt* compared with *λέγοντι* (Att. *λέγουσι*). So *vivont*, *vivunt*; *loquontur*, *loquntur*, *later loquuntur*; *confluent*, *confluunt*; &c.

(b) in final syllable of stem; e.g. *colomna* (old form: comp. *τυπτόμενος*), *columna*; *tirðn-*, *tirunculus*; *quæstiðn-*, *quæstiuncula*; *homðn-*, *homunculus*; *arbo*, *arbustum*; *minor* (for *minðs*), *minus-culus*; *nocturnus* compared with *νύκτωρ*; &c.

(c) sometimes in root vowel; e.g. *honc, hunc; poplicus, puplicus; Poplius, Publius; Polcer, Pulcer; moltaticod, multatico; oquoltod* (*S. C. de Bacc.*), *occulto; volt, vult; adolesco, adultus; conctos, cunctos; sesconcia, sescuncia; nontlata, nuntlata; nondinum, nundinum; &c.*

2. *ō* to *ū*, (a) before a final consonant; e.g. *donom, donum; locom, locum; duonorō, bonorū; filios, filius; Cornelio, Cornelius; equos, ecus, later equus; quom, cum; mortuos, mortuus; femor-, femur; corpos-, corpus; cosol, consul; majos, majus* (neut.); *illo-, illud; &c.*

But *o* remained in *æquor, marmor*. (In *uxor, honor, moneor, major, &c.* the *o* is properly long, and hence is not changed.)

(b) in a suffix before *l* unless followed by *l* (infr. 5); e.g. *popūlus, popūlus; parvūlus, parvūlus; singūlis, singūlis; tabōla, tabūla; semōl, simūl; conciliabōleis* (A.U.C. 632), *conciliabūlis; Hercōles, Hercūles; &c.* (The *l* in *singulis* &c. is only inflexional.) But after *e, i, or v*, the *o* was often preserved; e.g. *aureolus, filiolus, Scævōla; &c.*

3. The root vowel is changed in *adūlescens* from *adōle-, tūli* for older *tōli, I bore*. (But *stultiloquus, concolor, benivolus, innōcens, dissōnus, &c.; ārrogo, evomo, &c.* retain *o*).

4. *o* to *e*, (a) (sometimes) before two consonants (*st, nt, nd*); e.g. *honōs-, honestas; majōs-, majestas; tempōs-, tempestas; funōs-, funestus*. So in present participle and gerundive *ferentl-* compared with *φεροντ-*; *faciendus* (and *faciundus*), with presumed common original *faciōndus*; (cf. § 618) &c.

(b) as final vowel; e.g. *censuerē* (in *S. C. de Bacc.*) for *censueront* (*censuerunt*); *ipsē, istē, illē*, for *ipsūs* (old *ipsōs*); &c. So the vocatives; e.g. *taure* for *taurōs* or *taurō-*; and adverbs; e.g. *bēnē* for *bonod*; *certē* and *certō*; *anxiē* for *anxiōd*; &c. (In other words where *o* is final a loss has already taken place (cf. § 42); e.g. *cardo*, for *cardons*; *rēgo* for *rēgom*; &c.)

(c) After *v* the republican language (but see § 93) showed *o* in some words, where later *e* was usual; e.g. *voster, vorto* and its derivatives, *vorro, vōto*; later *vester, verto, &c., verro, vēto*.

5. *ō* to *ē*: (a) before *ll*; e.g. *velle* for *volēre*; *vello, pello, -cello*, compared with *pēptl-l, vul-sum, (volsella, pincers), -culsum; ocellus* (for *ōcōlōlus*) from *oculus*. (But *lapillus* from *lapid-*, &c.; *ille* for *ollus*; *tollo* compared with *tull*. In *corolla, olla, Pollio* or *Pollo, Marullus* for *marōnulus, &c.* the *o* is long.)

(b) before *r* followed by a vowel; e.g. *foederis* compared with *foēdus*; *funeris* with *funus*; *vulnero* with *vulnus*; &c. (*o* is presumed as the common original; cf. *γένος*.)

(c) before a single consonant and after i; e.g. **socio-**, **sociētas**; **pio-**, **piētas**; &c.

6. **ū** to (usually) **i**; in final stem syllable, before a single consonant followed by a vowel, except **i** not followed by **i**, and except before **r**; e.g. **legimus** compared with **λέγομεν** and **volūmus**; **cardōn-**, **cardinis**; **homōn-**, **homīnis**; **cælo-**, **cælītus**; **alto-**, **altitudo**; **bono-**, **bonitas** (compared with **ἰσότης**, &c.); **amico-**, **amicitia**; **uno-**, **unīcus**; **armo-**, **armipotens**; **fato-**, **fatidicus**; **fago-**, **fagīnus**; **stercos-**, **sterquillīnium**; **incola**, **inquillīnus**; **humo-**, **humīlis**; **simol** (later **simul**), **similis**; **ficto-**, **fictilis** (compared with **crusto-**, **crustūlum**, &c.); &c.

So also **senatuos**, **senatūis**; **Castoris** compared with **Κάστωρος**, old Lat. **Kastorus**.

OMISSION: apparently **o** in **victrix**, compared with **victōr-**; ²¹⁴ **tonstrina** with **tonsōr-**, cf. § 209. 7; **neptis** with **nepōt-** (**nepos**).

U.

CHARACTER: In inscriptions always as English **U**: the rounded ²¹⁵ form is found in MSS., the earliest extant being the papyrus from Herculaneum.

SOUND: as Italian **u**; i.e. **ū** as English **u** in *brute* (or **oo** in *pool*, ²¹⁶ *fool*); **ū** same sound shortened. An owl's cry is written **tutu** in Plaut. *Men.* 91.

POSITION: **ū** never final, except in inscriptions, chiefly post- ²¹⁷ Augustan, in which a final **s** or **m** has been omitted. **ū** is final only in some cases of nouns with stems in **u**; and the adverbs **diu**, **noctu**, **simītu**.

It is frequent in suffixes before **i**, unless **i** is followed by **i** (see Book III).

REPRESENTATION: (i) in Greek; i. usually by **ου** whether the ²¹⁸ Latin vowel be short or long; e.g. **Regūlus**, **Ῥήγουλος**; **Venusia**, **Οὐενουσία**; **Postūmius**, **Ποστούμιος**; **Sūperbus**, **Σούπερβος**; **Vibulanus**, **Οὐιβούλανος**; **Vitulum**, **Οὐίτουλον**; **Bellutī**, **Βελλούτου** (Dion. Hal.); **Novum Comum**, **Νοβουμκώμουμ**; **Mantua**, **Μάντουα** (Strabo); **Appuleius**, **Ἀππουλήιος** (*Mon. Ancyr.*); &c. For **ū** in suffixes, see § 220. For **v** after **s** and **g**, see § 90.

2. **ū** by **o**, chiefly before **λ**, **ρ** or a vowel (see § 213. 2. *b*); e.g. **Amulius**, **Ἀμόλλιος** (Appian), **Ἀμούλιος** (Plut., Polyæn.); **Lūcullus**, **Λεύκολλος** and **Λούκουλλος**; **Cluentius**, **Κλοέντιος** (Appian); **Cūrius**, **Κόριος** (Polyb.), **Κούριος** (Plut., App.); **Fulvius**, **Φολούιος** (also **Φουλούιος**, **Φούλουιος**, **Φοίλβιος**); **Coruncanius**, **Κορουγκάνιος** (Polyb.), **Κορουγκάνιος** (Appian); **Saturninus**, **Σατορνίνος** and **Σατουρνίνος**; **Mummīus**, **Μόμμιος** (Plut.), **Μούμμιος** (App.): &c. **Πόπλιος** (Polyb.) really represents the early form **Poplius**, not **Publius** (**Ποίπλιος**).

According to Dittenberger (*Hermes*, VI. 282) inscriptions before Christ always give **o**, not **ou**.

3. by *υ*; e.g. **Turnus**, Τύρνος; **Tullius**, Τύλλιος (Dion. H.); **Capuam**, Καπύην (Polyb., Diod., &c.); **Romulus**, Ῥώμυλος (Dio C.); &c., but also Τοῦρνος, Τοῦλλιος (Dio Cass.); **Lutatius**, Λυτάτιος (Polyb.; others have Λουτ.). **Sulla** is always Σύλλας.

4. by *ε*; only in some non-Roman names, e.g. **Brundisium**, Βρεντέσιον; **Bruttii**, Βρέττιοι (but App. also Βρύττιοι); **Numerius**, Νεμέριος (Inscr., Νουμέριος, Dio, Plut.); **Numitor**, Νεμέτωρ (Νομήτωρ, Plut., Νουμίτωρ, Strab.).

5. sometimes omitted; e.g. **Lentulus**, Λέντλος (Appian, Plut.); **Catulus**, Κάτλος (Appian, Plut.); **Tusculum**, Τοῦσκλον (Strabo, Plut.); **Figulus**, Φίγλος; &c., cf. *infr.* § 225.

6. *ū* (sometimes) by *ευ*; e.g. **Lucius**, Λεύκιος (*Mon. Ancyr.*, Plut.); **Lucullus**, Λεύκολλος (Appian); **Lucani**, Λευκανοί (always); &c.

(ii) 1. of Greek *υ* before Cicero's time (see § 56); e.g. Πύρρος, ²¹⁹ **Burrus**; Φρύγες, **Bruges** (Ennius); Γλυκέρα, **Glucera**; Ἡσύχιον, **Hesuchium**; Λυκίους, **Lucios**; Φιλάργυρος, **Pilargurus**, **Philargurus**; Σύρος, **Surus**; all in Republican inscriptions. So *trutina* for *τρυντήνη*. Similarly Plautus must have written *sucopanta* for *συκοφάντης*; *muropolæ* for *μυροπῶλαι*; *sumbolum* for *σύμβολον*; &c. Compare *Bacch.* 362, "Nomen mutabit mihi, facietque extemplo Crucisalum me ex Crusalo (χρύσαλος)."

2. *ū* of Greek *α* in suffixes before *l*; e.g. κραιπάλη, *crapūla*; σκυτάλη, *scutūla* (later *scytale*).

3. *ū* of Greek *ο*; e.g. κόθορνος, *cothurnus*; ἀμόργη, *amurca*; πορφύρα, *purpura*; ἐπιστολή, *epistūla*; κολεός (Ἐρ. κουλεός), *culleus*.

4. *ū* of Greek *ου*; e.g. Λυκούργος, **Lycurgus**; Πεσσινοῦς, **Pessinus**; Σιποῦς, **Sipus** (Lucan: but *Sipontum*, Cic.).

CORRESPONDENCE: 1. to an original Indo-European *u*; and ²²⁰ to *a*.

2. to Greek *υ*; e.g. *mūcus*, *mungo*, -μύσσω, *μυκτήρ*; *lūpus*, *λύκος*; *ūn-idus*, *ūmor*, ὕγρος; *cūbare*, κύπτω; *glūbo*, γλύφω; *fūmus*, θύω, θῦμος; *ecfūtio*, *futtillis*, χυ-, χέω, χύσις; *cluo*, *inclūtus*, κλύω, κλύτός; *cucūlus*, κόκκυξ (κοκκῦγ-); *lūceo*, *lux*, ἀμφι-λύκη, *λύχνος*; *jūgum*, ζυγόν; *lūgere*, λυγρός; *fuī*, φύω; *sus*, ὕς; *mus*, μῦς; *rūfus*, ῥῦθρός; &c.

3. to Greek *ο*; e.g. *bulbus*, βολβός; *urūpa*, ἔποψ; *nummus*, νόμος; *umbilicus*, ὀμφαλός; *unguis*, ὄνυξ; *sūcus*, ὄπος; *ūter* (for *quoter*), πότερος; *fungus*, σφόγγος; *luxus*, λόξος; *uncus*, ὄγκος.

In suffixes; e.g. *gēnus*, γένος; *lūpus*, λύκος; *lēgunt*, λέγουσι for λέγοντι.

4. to Greek *ω*; e.g. *cūneus*, κῶνος; *fūr*, φῶρ; *ulna*, ὠλένη; *ūmērus*, ὠμος.

5. to Greek *a*; e.g. *umbo*, ἄμβων; *ursus*, ἄρκτος; *puer*, παῖς; *hūmī*, χαμαί; *sturnus*, ψάρο.

6. to Greek *ε*; e.g. *mulgeo*, ἀμέλω; *ulcus*, ἕλκος; *suus*, εἷς; *tuus*, τεός.

7. inserted between two consonants in early Latin in words obtained by oral tradition, not through literature¹; e.g. *Alcūmena*, Ἀλκμήνη; *Æsculapius*, Ἀσκληπιός; *Herōles* (also *Hercoles*), Ἡρακλῆς; *Tecūmessa*, Τέκμησσα; *drācūma* or *drachuma*, δράχμη.

SUBSTITUTION: 1. for a radical *a* (after a prefix) before labials, 221 or *l* with another consonant; e.g. *tāberna*, *contūbernium*; *salto*, *insulto*; &c. (see § 204. 2. *e*).

2. *ū* for *au*; after a prefix; e.g. *causa*, *ac-cūso*; *claudō*, *exclūdo*; &c. *Frūdāre*, *clūdus*, &c. seem to be earlier forms for *fraudare*, *claudus*.

3. for *o* before two consonants, or a final consonant, or a suffix beginning with *l*; e.g. *hunc*, *hunc*; *robor-*, *robur*; *singōlus*, *singūlus*; &c. (see § 213).

4. *ū* for older *oi* or *oe*; e.g. *oinos*, *oenus*, *ūnus*; *oitile*, *ūtīle*; *moīncīpiāis*, *moenia*, *mūncīpiis*, *mūnia*; &c.

5. *ū* for older *ou*; chiefly after the time of the Gracchi; e.g. *jus*, *judex* for *jous*, *joudex*; *abdūcit* for *abdoucīt*; (see § 251).

CONTRACTION, HIATUS, &c.: *u* + *e* and *u* + *i* are contracted 222 into *u* in some cases of substantives with *u* stems; e.g. *senatūis*, *senatus*; *senatui*, *senatu*; *gradues*, *gradūs*. In the words *hūio*, *eui* (for *hoīc*, *quoī*) and interjection *hūi*, *ui* is a single syllable, probably pronounced like French *oui* or Engl. *ave*.

Before other vowels, and before these in other cases, *u* remains, usually as vowel, but sometimes as consonant: see § 92.

CHANGE OF QUANTITY: 1. in root syllable; e.g. *rūdis*, *crūdus*; 223 *pūsillus*, *pūsio*; *flūvius*, *flūvidus* and *flūvidus* (both in Lucret.); *lūcerna*, *lūceo*, *lux* (*lūc-*); *dūc-* (*dux*), *dūco*; *jūgum*, *jūgerum*; *rūber*, *rūfus*, *rūbigo*; *pūtris*, *pūteo*, *pūtidus*; *rumpere* (*rūp-*), *rūpes*.

2. lengthened by way of inflexion in perfect tense; e.g. *fūgio*, *fūgi*; *fundo* (*fūd-*), *fūdi*; *rumpo* (*rūp-*), *rūpi*; *jūvo*, *jūvi* (for *jūvui*?). The *u* in perfect of verbs with *u* stems is probably long, but becomes short before the following vowel; e.g. *plūo* (for *plūvo*, cf. *plūvia*), perf. *plūi* (for *plūvi*), usually *plūi*; &c. (Corssen considers the *u* in the present also to be properly long.)

¹ Ritschl, *Opusc.* II. 490.

3. lengthened by compensation for an extruded consonant; e.g. *dūmus* for *dus-mus* (comp. *δασ-ύς*).

CHANGE OF QUALITY: 1. The short vowel before a suffix ²²⁴ commencing with *m*, *p*, or *f*, is usually written *ū* in præ-Augustan inscriptions, *i* afterwards. Thus in præ-Augustan inscriptions *max-ūmus*, *optūmus*, *proxsūmus*, *sanctissūmus*, *vicensūmus*, *dectūmus*, *maritūmus*; *aestūmo*, *recūpero*; *aurūfex*, *pontūfex*; &c. Jul. Cæsar is said to have first written *i*, which is somewhat¹ rare in Republican inscriptions, but is exclusively used in the Monum. Ancyr., and is most usual in and after the Augustan age. Quintilian (I. 4, 8) describes this vowel (instancing *optūmus*) as intermediate between *u* and *i*. In Greek almost always *ι*, never *υ*; e.g. *Μάξιμος*, *Δέκιμος*, *Ποντίφικες*; but also in inscr. *Δεκομης*, *Δεκουμος*, *Σεπτουμε*. Augustus is said to have written *sīmus* for *sumus*, *we are*.

The dat. abl. plural of stems in *u* probably had the ending *-ūbus* in all originally, which some retained always; e.g. *acūbus*, *arcubus*, &c.; (but *manūbus*, *exercitūbus*, &c.)

Similarly *clūpeus*, *mancūpem*, *lūbens* are earlier forms than *clipeus*, *mancipem*, *libens*; &c. In Vergil *obstīpui* for *obstūpui*.

2. Before suffixes not commencing with labials, *ū* becomes *i*; e.g. *cornu-*, *cornīger*; *gelu*, *gelīdus*; *arcus*, *arcītenens*; &c.

Capitalem (*S. C. de Bacc.*), *manūfestus* are earlier forms than *capitalem*, *manifestus*.

3. For some other words (e.g. *funus*, *funer-is*; *vul-sum*, *vello*; &c.) in which *u* appears to have been only a transition vowel, see § 213. 5. For *gerundus* &c. see § 618.

OMISSION: The suffixes *-cūlo-*, *-pūlo-* were shortened to *-clo-*, ²²⁵ *-plo-* sometimes in prose; e.g. *Asclani* for *Asculani*; *vinculum* for *vinculum*; *nucleus* for *nūcūleus* (Plaut.); *hercle* for *hercūle*; and often in verse; e.g. *manīplus*, *circus*, *sæclum*, *pericolum*, *orāclum*, *spectāclum*, *tomāclum*; &c. So usually *asseccla*, *nomenclator*; and always, *disciplina*, *simplus*, *duplus*, &c. Lucretius has (once) *coplāta* for *cōpūlāta*. Instances of *-glo-* are rare, e.g. *figlinus* for *figulīnus* often; *singlārīter* for *singūlārīter* once (Lucr.). Plautus has always *columen* for (later) *culmen*. Comp. § 218. 4.

E.

CHARACTER: as above, but with the horizontal lines sometimes ²²⁶ very short. In the very oldest inscriptions probably before 500 U.C. another form, *ll*, is found frequently, but not exclusively. It is also common in the cursive writing of the Pompeian inscriptions, though

¹ The earliest instance *infimo* in an inscription of the year 623 U.C. (*Corp. I. R.* 199), which everywhere else has *infumo*, is perhaps a slip of the stonecutter.

rare in any other inscriptions, at least of republican times. (See also F § 95.)

SOUND: ē probably varying between ê and é French. These 227 sounds are heard short as e in Engl. *net*, and (the first) a in *aerial*.

POSITION: frequently final; viz. ē in gen. dat. abl. singular of 228 noun stems in -e, and in 2nd pers. sing. pres. imper. act. of verbs with -e stems: also in pronouns *me*, *te*, *se*, preposition *ē*, conjunction *ne*, and adverbs (e.g. *docte*).

ē is final in abl. sing. of nouns with consonant, and (often) -i stems (e.g. *patre*, *puppē*); in nom. sing. of neuter -i stems (e.g. *marē*); in voc. sing. of o stems (e.g. *taurē*), and nom. sing. masc. of some pronouns (e.g. *illē*); in many parts of verbs, especially the 2nd person (e.g. *regē*, *regitē*, *regēbārē*, *regārē*, *regērē*, *regērē*, and 3rd pers. *rexērē*, &c.); also some adverbs, prepositions, &c. (e.g. *benē*, *indē*, *-que*, *antē*, &c.)

Medial e is frequent before two consonants, or ll; e.g. *perfectus*, *vello*; and before r. Cf. § 204, 2, *b*; 213. 5, *b*; 234, 3, *b*.

REPRESENTATION: (i) in Greek, ē by η, ē by ε; *Mēnēnius*, 229 *Μηνήνιος*; *Cornelius*, *Κορνήλιος*; *Veturius*, *Ούετούριος*; *Tiberius*, *Τιβέριος*; *Metellus*, *Μέτελλος*; &c.

ē by α in *Calendæ*, *Καλάνδαι* (always); by ε in *Puteoli*, *Ποτίολοι* (Inscr. always).

(ii) 1. of Greek η, and ε; e.g. *ἥψος* *Ep.*, *έψος* *Att.*, *ēdus*, *ēdus*; *Λήμνος*, *Lemnos*; *ελλέβορον*, *hellēbōrum*; *Περσεφόνη*, *Persēphōnē*; &c.

2. before vowels, of εî; e.g. *βαλανείον*, *balinēum*; *πλατεία*, *platēa*; *Ἀινείας*, *Aenēas*; *Ἀλεξάνδρεια*, *Alexandrea* (Cic.); *Δαρείος*, *Dareus* (Cic.); &c. But *Ἀλεξάνδρηα*, &c. are found in papyri.

3. of Greek ι; e.g. *κοχλίας*, *cochlea*; *ναυσία* (Att. *ναυτία*), *nausea*.

CORRESPONDENCE: 1. to an original Indo-European a.

230

2. ē to Greek ε (usually); e.g. *frēmo*, *βρέμω*; *gēnus*, *γένος*; *sēdeo*, *έδος*; *ēdo*, *έδω*; *sex*, *έξ*; *septem*, *έπτά*; *serpo*, *έρπω*; *est*, *έστί*; *ēt*, *έτι*; *cervus*, *κεραός*; *lēgo*, *λέγω*; *leo*, *λέων*; *mel*, *μέλι*; *mēdeor*, *μέδομαι*; *mēdius*, *μέσος*; *mens*, *μένος*; *pēto*, *πέτομαι*; *rēpens*, *ρέπω*; *sēvērus*, *σέβομαι*; *quē*, *τε*; *hērī*, *χθές*; &c.

to Greek η; e.g. *fēra*, *θήρ*; *jēcū*, *ήπαρ*.

3. ē to Greek α; e.g. *brēvis*, *βράχυσ* (§ 129. 2. c); *centum*, *έκατόν*; *cērebrum*, *κάρα*; *ēgēnus*, *άχηνία*; *lēvis*, *έλαχύς*; *per*, *παρά*; *pre-hendo*, *χανδάνω*; *sternuo*, *πταρνύω*; *ūber*, *ούθαρ*; *venter*, *γαστήρ*.

4. ē to Greek ο; e.g. *gēnu*, *γόνυ*; *dentis*, *όδόντος*; *fel*, *χόλος*; *herba*, *φορβή*; *sērum*, *όρός*; *pēdem*, *πόδα*.

5. ē to Greek η; *mensis* (§ 167), *μήν*; *ne*, *νή*; *lien*, *σπλήν*; *strēnuus*, *στρηνής*; *sēmi-*, *ήμι-* to Greek ε; e.g. *mē*, *με*; *tē*, *σε*.

6. **ē** to Greek ω ; e.g. **vēnum**, $\omega\nu\nu\sigma$.

7. In suffixes **ē** to ϵ ; e.g. **legē**, $\lambda\acute{\epsilon}\gamma\epsilon$; **legitē**, $\lambda\acute{\epsilon}\gamma\epsilon\tau\epsilon$; **genēris**, $\gamma\acute{\epsilon}\nu\epsilon\sigma$; **dextēr**, $\delta\epsilon\chi\acute{\iota}\tau\epsilon\rho\sigma$; &c. Compare also **mē-mīnī**, $\mu\acute{\epsilon}-\mu\omicron\nu\alpha$ (cf. § 665).

ē to *a*; e.g. **nomēn**, $\delta\nu\omicron\mu\alpha$ ($\delta\nu\omicron\mu\alpha\tau-$).

e (old **ū**) to *o*; **legent-**, $\lambda\epsilon\gamma\omicron\nu\tau-$; &c.

SUBSTITUTION: 1. **e**, for radical **a** after a prefix, is found before two consonants or a final consonant, or **r**, or sometimes other single consonants; e.g. **tracto**, **detrecto**; **para**, **expers**; **cāno**, **cornicen**; **pārio**, **pepēri**; **grādior**, **ingrēdior**; &c. (§ 204).

2. for radical **o**, before **ll**; e.g. **vello** compared with **vulsi**; **ocellus** for **ocololus**; &c. (§ 213. 5): and after **v** in **vēster**, **verto**, &c. (§ 93).

3. for suffixed **o** (§ 213);

(a) before **r** followed by a vowel, or after **i** before other single consonants; e.g. **genēris** from **genus** ($\gamma\acute{\epsilon}\nu\omicron\sigma$); **sociētās** from **socius** (stem **socio-**); &c.

(b) before two consonants; e.g. **faciendus** for **faciundus**, older **faciōndus**; **tempestatas** from **tempos-**; &c.

(c) in final syllables; e.g. **censuere** for **censueront**; **ille** for **illus** (**illo-**); &c.

4. for **ae**, not frequent till in and after third century after Christ (see § 262).

CONTRACTION, HIATUS, &c.:

1. **e + e** to **ē**; e.g. **delēverunt**, **delērunt**; **delēvērāt**, **delērāt**; ²³² **deerat**, **deesse**, **deest** always to **dērat**, **dēsse**, **dēst**; **nē hāmo** (old for **homo**), **nēmo**; **prēhendo**, **prendo**; &c.

2. **e + i** to **e**, or (especially if the contraction was not constant) **eī**; e.g. **delevisse**, **delesse**; **dēhībeo**, **dēbeo**; **mone-is**, **monēs**.

dein, **deinde**, **deinceps**, (never uncontracted till late); **dehinc** as monosyllable occasionally; **eī** (also **ēī**), **eīdem** (dative), often. So also **reī**, **speī**, **fideī**, **dīeī** &c., often written **re**, **spe**, **fide**, **dīe**. In Vergil, &c. also **aureī**, **aureis**, **aereī**, **ferreī**; and Greek proper names as **Tereī**, **Thesēī**, **Orpheī**, **Peleī**, &c., sometimes written **Terī**, &c.

In **reice** for **rejice**, **eicit** (Lucr.) for **eīcīt**, **eius** (rarely a monosyllable), **Pompēī** (voc.) something of the consonantal sound of **j** may have remained (§ 138). **Anteīt** is used as a trochee, the **e** being elided. So also **ante ea** becomes **antea**.

3. *e* before *a*, *o*, *u*, remained usually a vowel, and without contraction; e.g. *moneas*; *saxeo*, *saxea*, *saxeum*; *enut*, *eam*, *eo*; &c.

But in the following, *e* was probably pronounced as *j*, so as not to form a separate syllable; *eōdem*, *eādem*, *ēadem*, *ēorundem* (Lucr., Verg.); *alveō*, *alveāria*, *aureō*, *aureā* (Verg.); *ostreā*, *cereā* (Hor.); *alveō*, *aureō*, *aureā*, *aureā* (Ov.): and Greek proper names; e.g. *Idomenēos*, *Peleō*, *Perseō*, *Mnestheō*; &c. After the Augustan age this use was confined to proper names and the cases of *balteus*, *aureus*, *alveus*.

So, in comic poets, in the cases of the following words, *meus*, *deus*, *eo*, *eam* (both the pronoun and verb).

It is contracted in *neve*, *neu*; *ne-uter*, *neuter*; &c. *revorsus*, *rursus*; and probably in *seorsum* (sometimes written *sorsum*), *deorsum*; omitted in *n-usquam*, *n-ūtiqvam*.

CHANGE OF QUANTITY: 1. in roots; e.g. *rēgere*, *rēx* (*rēg-*); ²³³ *tēgere*, *tēgula*; *lēgere*, *lēx* (*lēg-*); *sēdere*, *sēdes*; *hērus*, *hēres*.

2. lengthened, as a means of inflexion; e.g. *lēgo*, *lēgi*; *ēdo*, *ēdi*; *sēdeo*, *sēdi*; *vēnio*, *vēni*; *ēmo*, *ēmi*.

3. lengthened in compensation for the extrusion of a consonant; e.g. *dāni* for *dēcīni*; *sē-vīri* for *sex-vīri*; *dumētum* for *dumectum*; &c. In *viciēs* for *viciens*; *vicēsīmus* for *vicensīmus*; *Hortēsia* for *Hortensia*; the long *e* is probably due to *ns*. Cf. § 167. 2.

4. In final syllable often shortened; e.g. *benē*, *malē*, *supernē*, *infernē*, (compared with *doctē*, &c.); so in the imperatives *cavē*, *vidē*, (see § 279); and frequently in the comic poets, in verbs with short penult; e.g. *tenē*, *movē*, *tacē*, *manē*, *vidē*, *habē*, *jubē*.

Monēt, *amēt*, *regēt*, (for *monēt*, &c.); *terēs*, *equēs*, &c. (for *terets*, &c.); *vidēn* (for *vidēsne*); *compēs*, *desēs* (for *comped-s*, &c.).

In the ablative of *-i* stems, and of consonant stems; e.g. *nubē*, *principē*, the final syllable was probably once in *-ēd*; e.g. *nubed*, *principed*. The earliest forms actually found in inscriptions are *airid*, *aire*, *patrē*, *nominid*, *coventionid*; and, in and after the time of the Gracchi, e.g. *virtutēi*, *salutēi*, *lucī*, *deditiōi*, *fontēi*, *omnēi*, *parti*, *vestigali*, &c.

CHANGE OF QUALITY: 1. *ē* is found in the old language, in ²³⁴ many places where an *i* is found later. The change began towards the end of 5th century U.C., and was completed, with some exceptions, before Plautus's time (Ritschl, *Opusc.* II. 623); e.g. *sēmūl*, *fuet*, *dedet*, *mereto*, *tempestatebus*, *cædeto*, *Fabrecio*, &c. for *simul*, *fuit*, *dedit*, *merito*, *tempestatibus*, *cæditis*, *Fabricius*, &c.

2. *ĕ* is found in a final suffix, where *ī* is found before *s* or *d*, *e* being according to Ritschl (§ 196) the earlier vowel; e.g. *facile*, *facilis*; *marĕ*, *maris*; *mage*, *magis*; *fortasse*, *fortassis*; *pote*, *potis*; *aere*, *aerid* (old abl. but see § 233); *rĕge*, *rĕgis*; *rĕge*, *rĕgis*; *amabare*, *amabaris*; *amabĕre*, *amaberis*; *fateare*, *fatearis*; *capĕ*, *capis*; &c.

3. *ĕ* is changed to *ī*, in a final syllable to which a letter or syllable (one or more) is suffixed;—

(a) either if *e* be final and the suffix begin with a consonant; *ille*, *illĭc* (for *illĭce*); *iste*, *istĭc* (for *istĭce*); *tute*, *tutĭne*, *tutĭmet*; *nunce*, *nuncĭne*; *sĭce* (i.e. *sic*), *sicĭne*; *unde*, *undĭque*; *inde*, *indĭdem*; *poste* (old form of *post*), *postĭdea*; *ante*, *antĭdhac*, *antĭcipo*, *antĭstes*; *bene*, *benivolus*, *benignus*; *male*, *malĭcus*, &c.; *pave-*, *pavĭdus*; *pude-*, *puĭbundus*; *rube-*, *rubĭcundus*; *mone-*, *monĭtus*; *morde-*, *mordĭcus*; *habe-*, *habĭto*; *pate-*, *patĭbulum*; *regĕ*, *regĭte*, *regĭto*; *forte*, *fortĭter*; *radice*, *radĭcitus*; *habe-*, *habĭlis*.

(In *nubĕs*, *esurĭĕs*, &c.; *amarĕs*, *amĕs*, *monĕs*, &c., the *e* is long, arising from contraction with the initial vowel of the suffix. So originally *amĕt*, *monĕt*; &c.)

(b) or, if *e* be not final, but the suffix begin with a vowel; e.g. *alĕs*, *alĭtis*; *pedĕs*, *pedĭtis*; *antĭstĕs*, *antĭstĭta*, *antĭstĭtem*; *tibicĕn*, *tibicĭnis*, *tibicĭna*; *agmĕn*, *agmĭnis*; *semĕn*, *semĭno*; *manceps*, *mancĭpem* (old *mancĭpem*); *biceps*, *bicipĭtem*; *vertex*, *vertĭcis*; *artĭfex*, *artĭfĭcis*; *dĕcem*, *decĭmus*.

But *ĕ* remains after the vowel *ī*, or before *r* (or *tr*); e.g. *ariĕs*, *arietis*; *tener*, *tenera*; *pĭpĕr*, *pĭpĕris*; *ansĕr*, *ansĕrem*; *regĭa*, *regĕris*; *genĭtor*, *genĕtrix*; &c.; or if the suffix begin with a consonant; e.g. *ales* for *alet-s*; *obses* (for *obsed-s*); *lamella* (for *lamen-la*) compared with *lammĭna*; *nutrĭmen*, *nutrimentum* (but *nutrimĭnis*); *senex*, *senectus*; *pedes*, *pedester*; *potestas* compared with *potis*, *pote*; *patens*, compared with *patĭna*; (comp. *vidĕn* for *vidĕsne*).

Other exceptions are rare; e.g. *fĕnisex*, *fĕnisĕcis*; *seges*, *segĕtis*; (*Pudefacio*, &c. are not complete compounds, as is evident from the accent and vowel *a* being retained; e.g. *pudefĕcis*).

4. Radical *ĕ* changed to *ī* when a syllable has been prefixed; e.g. *lĕgo*, *collĭgo*, *dillĭgo*, &c. (but *intellĕgo*, *neglĕgo*, *relĕgo*; *contego*, &c.); *rĕgo*, *corrĭgo*; *ĕmo*, *adĭmo*; *sĕco*, *subsĭciyus*; *tĕneo*, *retĭneo*; *ĕgeo*, *indĭgeo*; *prĕmo*, *opprĭmo*; *tĕneo*, *protĭnus*; but *decem*, *undĕcim*, where the penultimate remains, but the final is changed.

But not before *r* or two consonants; e.g. *refero*, *consentio*; &c.

5. The root vowel is (apparently) changed from *e* to *o* in some derivatives; e.g. *tĕgo*, *tĕga*; *sĕqui*, *sĕcius*; *prĕcarĭ*, *prĕcus*; *pendo*, *pondus*; *terra*, *extorris*; *sĕrĕre*, *sors*; perhaps *rĕgĕre*, *rĕgus*. Probably the *o* is directly from the original *a*.

6. *ē* to *i*, frequently through *ei* as an intermediate sound; e.g. *matre*, *Maurte*, *Junone* in old inscriptions, for *matri*, *Marti*, *Junoni*; *conscriptes*, *Atilles* for *conscripti*, *Atilii* (nom. pl. see Book II); &c. *leber*, *leiber*, *liber*. So *sibe*, *quase*, are old forms, used by Livy (Quint. I. 7. 24); and *duovir jure dicundo*, *tresviri auro aere argento flando, feriundo*, etc. apparently are forms retaining the old dative. On the general theory, see § 196.

OMISSION: 1. *ē*, in a root syllable which has received prefixes²³⁵ or suffixes, is sometimes omitted; e.g. *gigno* for *gigēno* (or *gigino*); *mālinus* for *maligēnus*; *gnātus* for *gēnātus*.

2. Before *r* the vowel *ē* is frequently omitted; e.g. *September*, *Septembris*; *ācer*, *acris*; *frāter*, *fratrem*; *āger*, *agrum*; *infērus*, *infra*; *dextēra*, *dextra*; *noster*, *nostra*; *ludibrium*; &c.

3. Final *ē* fell off; (a) in neuter nom. acc. of stems in *āl-* and *ār-*; e.g. *calcar*, *laquear*; *tribunal*, *puteal*; &c. So also *lac* (for *lact*, for *lacte*, nom. sing.); *vōlūp* for *volupe*; *simul* for *simile*.

(b) in enclitic particles; e.g. *hic*, *hæc*, *hoc*, &c. (for *hice*, &c.), *illic*, *istic*, *sic*, *nunc*, *tunc*; *nec*, *ac*, for *neca*, *ace*, for *neque*, *atque*; *vidēn* for *vides-ne*; *potin* for *potis-ne*; *quin* for *quī-ne*, *sin* for *sī-ne*. (In *seu*, *neu* for *sive*, *nive* (old *seve*, *neve*), *fil* for *filie*, a contraction has taken place.)

4. On the omission of *e* in *est* and *es* after a vowel or *m*, see Book II.

I.

CHARACTER: as above. In the first century B.C., probably not²³⁶ before Sulla's time, began the habit of making a tall *i* to indicate the long vowel. (See § 59. 2.)

SOUND: as in Italian, viz.: *i* as in English *machīne*; *i* same²³⁷ sound shortened. But in some classes of words, e.g. *vir*, *qvirates*, *optimus*, there is some evidence for a modified sound of *i*, perhaps a fine Germ. *ü*. See Preface; also §§ 90, 2; 184, 3.

POSITION: *i* is never final; except 1. in *quasi*, *nisi*, *sicuti*;²³⁸ and 2. (short or long) in *mihi*, *tibi*, *sibi*, *ubi*, *ibi*.

i frequently final; 1. in gen. and loc. sing. and nom. pl. of *o* stems (e.g. *dominī*); sometimes gen. and dat. sing. of *a* stems, *e* stems and *u* stems (e.g. *musāi*, *diēi*, *domui*); dat. sing. of consonant stems, and dat. abl. sing. of *i* stems (e.g. *nomini*, *marī*); and dat. sing. of many pronouns; e.g. *illi*; 2. some adverbs, once

oblique cases; e.g. *heri*, *vesperi*, *ubi*, *uti*, *si*; &c. 3. 1st and 2nd persons sing. perf. ind. active and present infinitive passive of all verbs, and 2nd pers. sing. imperative active of 1- verbs (e.g. *audivi*, *audivisti*, *audiri*, *audi*).

REPRESENTATION: (i) in Greek, 1. *i* by *ι*, e.g. *Gaius Livius*, ²³⁵ Γάϊος Λίβιος; *Claudius*, Κλαύδιος; *Titus Otacilius*, Τίτος Ὀκτακίλιος (Polyb.); *Priscus*, Πρίσκος; *Opiter*, Ὀπίτωρ (Dion. H.); *Capitolium*, Καπιτώλιον (Strab., Dion. H., Plut.); *Καπιτωλίνος* (Dion. H., Dio. Cass.); &c.

By *ε*; e.g. *Capitolium*, Καπετώλιον (Polyb., Strab., Plut.), *Καπετωλίνος* (Diod. S., Dion. H.); *Attilius*, Ἀτέλιος (Dion. H., Ἀτίλιος Diod. S.); *Tiberis*, Τέβερης (Dion. H. but Τίβερης Strab., D. Cass.).

In inscriptions are sometimes found (besides forms with *ι*) *Τεβέριος* (so always before *Tiberius*' adoption by Augustus. Dittenberger, *Herm.* VI. 133), *Λέπεδος*, *Δομέτιος*, and others; often *Καπετώλιον*, Ὀφέλλιος (but also in Latin *Ophellius*), *λεγεών*.

By *υ*; e.g. *Bibulus*, Βύβλος (inscr.).

By *α* in suffixes; e.g. *būcīna*, βυκάνη (Polyb.).

Sometimes omitted, e.g. *Decimus*, Δέκμος.

2. *i* by *ι*; e.g. *Capitolinus*, Καπιτωλίνος (vide supr.); *Albinus*, Ἀλβίνος; *Scipio*, Σκιπίων (Diod. S., Appian, Strabo); *Tibur*, Τίβουρα; *Tarracīnam*, Ταρρακίναν (Strabo).

By *η*; e.g. *Scipio*, Σκηπίων (Plut.).

(ii) 1. of Greek *ι*; e.g. *Καλλικλῆς*, *Callicles*; *Παιγνίον*, *Paegnium*; *τραπεζίτης*, *trapessita*; Ἀβδηρίτης, *Abderites*; *Θέτις*, *Thetis*.

2. *i* of Greek *α* in suffixes; e.g. *μαχανά* (Dor.), *machina*; *τρυγάνη*, *trutina*; *Κατάνη*, *Cātina*; &c.

3. *i* of Greek *ει*; e.g. *πειρατής*, *pirata*; *Νεῖλος*, *Nilus*; *ἀλείπτης*, *alīpta*; Ἀντιόχεια, *Antiochia*; &c.

4. *i* inserted in early Latin (cf. § 220. 7) between *κν*, *χν*, *μν*; e.g. *Πρόκνη*, *Procline*; *κύκνος*, *cūcīnus*; *τεκίνα*, *τέχνη*; *μῖνα*, *μνᾶ*.

CORRESPONDENCE: 1. to original Indo-European *ι*; and to *α*. ²⁴⁰

2. to Greek *ι*; e.g. *dīc-* *in-dīco*, *causidīc-us*, *dīco*, *δίκη*, *δείκνυμι*; *vīgintī*, *εἴκοσι*; *cīo*, *κίω*, *κινέω*; *clī-vus*, *reclī-nare*, *κλίνη*, *κλιτύς*; *cri-brum*, *cer-no*, *κρίνω*; *hiemps*, *χιών*; *frīo*, *frīco*, *χρίω*; *stīnguo*, *stīmulus*, *στίγω*, *στιγμή*; *tri-* (e.g. *tria*), *τρεῖς*, *τρίτος*; *dīvus*, *dies*, *δῖος*, *εὐ-δία*; *vīdeo*, *vīdi*; *ιδ-*, *εἶδον*; *scīndo*, *σχιδ-*, *σχίζω*; *pīlleus*, *πίλος*; *frīgus*, *ῥίγος*; *quīs*, *τίς*; *vīs*, *ἴς* (*ἰν-*); *vītēx*, *vītis*, *ἴτυς*; *violā*, *ἴον*; &c.

3. to Greek *ε*; e.g. *in*, *indo* (old, *endo*), *intus*, *ἐν*, *ἐνδον*, *ἐντός*; *rīgo*, *βρέχω*; *strīgills*, *στλεγγίς*; *tinguo*, *τέγγω*.

4. to Greek *ει*, *οι*; e.g. *fīdo*, *fīdes*, *πείθω*; *quies*, *κεῖμαι*, *κοίτη*; *pīngo*, *pic-tura*, *ποικίλος*; *linquo*, *relinquus*, *λείπω*, *λοιπός*.

5. to Greek *a*; e.g. *in-*, *av-* (Engl. *un-*); *digitus*, *δακτύλος*; *pinguis*, *παχύς*; *stringo*, *στραγγεύω*.

6. to Greek *o*; e.g. *cŏnis*, *κόνις*; *imber*, *ὄμβρος*.

SUBSTITUTION: 1. *i* for *ā* in root syllable after a prefix, before a single consonant (except *r*), and before *ng*; e.g. *tango*, *tetigi*; *cāno*, *cancino*; *fācetus*, *inflicetus*; *pango*, *impingo*; &c. (see § 204).

2. (a) *i* for older *ē* in many words: e.g. *dedīt* for *dedēt*; &c. (see § 234).

(b) *i* for *ē* in root syllable after a prefix; e.g. *lēgo*, *col-
ligo*; &c.

(c) Also in final closed suffix, and in final syllable of stem, to which a letter or syllable is suffixed; either if *e* be final and the suffix begin with a consonant, or if *e* be not final, but the suffix begin with a vowel; e.g. *marē*, *maris*; *indē*, *indidem*; *ales*, *alitis*; &c. (see § 234).

3. *i* for *ō* in final syllable of stem before a single consonant followed by a vowel, except before *i* not followed by *i*, and except before *r*; e.g. *cardōn-* *cardinis*; *bono-* *bonitas*; &c. (see § 213. 5).

4. *i* for *ū* in final syllable of stem, but before *m*, *p*, *f*, not until last century of republic; e.g. *cornu-* *corniger*; *maximus* for *maxū-
mus*; &c. (see § 224).

5. *i* appears to have been, at least in many words, preceded by *ē*, or *ei* both in root syllables and suffixes, sometimes by both (see §§ 265, 268).

6. *i* for *ai*: possibly in the dat. plur. of *a-* stems: e.g. *musis* for *musais*. See § 257.

7. *i* for *æ* in root syllable after a prefix; e.g. *quæro*, *inquiro*; *æquus*, *iniquus*; &c.; *cædo*, *cecidi*; &c. (§ 262).

CONTRACTION, HIATUS, &c.: 1. *i*+*i*, if one be long, is con-
tracted to *i*; e.g. *dii*, *dī*; *consilii*, *consili*; *petiit*, *petit*; *audiis*,
audis; *audivisti*, *audisti*; *si vis*, *sis*; *nihil* (*ne hīlum*), *nīl*; *mihi*,
mī; &c. If both are short, one is dropped; e.g. *fugis*, *fugis*; *egregi-
ior*, *egregior*; *navi-ibus* *navibus*; etc. (cf. § 144). But *tiblicen*
tiblicen.

2. *i* before other vowels usually remained. It absorbed a succeeding vowel in *bīga* for *bijūga*; *filii* for *filie*; *sis* for *sies*; *māgis* for *magios*; *duris-sinus* for *duriōs-imus*; &c., in which comparatives *i* is perhaps properly long; comp. *βελτ-ίων*, *βελτιῶν-a*; &c. (On *minor* see § 245.)

CHANGE OF QUANTITY: 1. in root syllable; e.g. *libet*, *liber*,²⁴³ *libertas*; *fides*, *perfidus*, *fido*, *foedus*; *suspícere*, *suspicio*; *díc-*, *male-díc-us*, *díco*; *ar-bít-er*, *per-bít-ere*; *liqvor*, also *liqvor* (once), *liqvidus* and *liqvidus* (Lucret. IV. 1259, "liquidis et liquida crassis"); *liqvāre*, *liqvēre*, *liqvi*.

2. in final syllables; e.g. *audīt* for *audīt*; *sīt* for *sīt* (*siet*); *velīt* for *velīt*; also sometimes *audiveris* for *audiveris* (perf. subj. see Book II).

3. final *i* is shortened in *nisi*, *quasi* (comp. *siquidem*), and frequently in *mihī*, *tibi*, *sibi*, *ubi* (always *sicubi*, *nēcubi*, *ubivis*, but *ubique*), *ibi* (but *ibidem*, *alibi*). So *utīnam*, *utīque*, from *utī*.

In Plautus also *dāri*, *pāti*, *lōqui*; *dēdi*, *stēti*; *vēni*, *ābi*, are found with *i* short.

CHANGE OF QUALITY: 1. to *e* before *a* or *o* or *i*; e.g. *mei*,²⁴⁴ *meo*, compared with *mis* (old gen.), *mihī*; *queo*, *queam*, from *qui-re*; *eo*, *eam*, from *ire*; *eum*, *eam*, compared with *is*, *id*. (But *audiam*, *audio*, *auditi*; &c.) Perhaps the *e* is even here prior to the *i*.

2. *ū* is found, from stems (apparently) in *e* or *i*, in early Latin before *m*, *f*; e.g. *testi-*, *testūmonium*; *ponti-*, *pontūfex*; *carni-*, *carnūfex*; *dōcē-*, *dōcūmentum*; *mōnē-*, *mōnūmentum*. The forms with *i*, e.g. *testīmonium* are later (cf. § 224).

3. For change of *i* to *j* see § 142.

4. For *e* instead of *i*, before *r*, see § 184. 3, 569, 656.

OMISSION: 1. *i* in suffixes is often omitted between two conso-²⁴⁵ nants; e.g. *facultas* for *facilitas*; *misertum* for *miseritum*; *puertia* (Hor.) for *pueritia*; *postus* (Verg.) for *positus*; *replictus* (Verg.) for *replicitus*; *audacter* for *audāciter* (Quint. I. 6. 17); *propter* for *propiter*; *fert* for *ferit*; *volt* for *volit*; *est* for *ēdit*; *valde* for *valide*; *caldus* (Augustus) for *calidus*; *soldus* (Hor.) for *solidus*; *lamna* for *lammīna*; *alumnus* for *aluminus*; *tignum* compared with *tigillum*; *tegmen* for *tegimen*; probably *benfīcium*, &c. (in Plaut., Ter., Phædr.) for *benefīcium*; &c.

2. In the nom. sing. of *-i* nouns, but rarely after a short syllable; e.g. *ars* for *artis*; *ferens* for *ferentis*; *Arpinās* for *Arpinātis*; *mendax* for *mendācis*; *nux* for *nūcis*; &c. (see Book II).

3. A radical *i* is omitted in *surgo* for *surrigo*; *porgo* for *porrigo*; *pergo* for *perrigo*; *purgo* for *purigo*; *jurgium* for *jurigium* (*jus*, *agere*); *surpēre* (Luc., Hor.) for *surrīpere*.

4. In *mīnor*, *mīnus*, *i* is apparently dropped (for *min-ior*, *minius*).

INSERTION: 1. *i* is apparently inserted between consonant stems, and derivative suffixes, e.g. *ālltus* from *āl-ēre*; *tēgimen* from *tēg-ēre*; *fullōnicus* from *fullōn-*; *hērēditas* from *hērēd-*; &c. But see § 746.

2. in words from Greek. See above, § 239, 5.

CHAPTER X.

DIPHTHONGS.

AU.

SOUND: as in German; i. e. nearly as English *ow*¹ in *cow*, *town*.

REPRESENTATION: (i) in Greek by *av*; e. g. *Aurunculetus*,²⁴⁷ *Αύρουγκουλήιος*; *Aulus*, *Αὔλος*; &c.

(ii) of Greek *av*; e. g. *Αὐτομέδων*, *Automedon*; &c.

CORRESPONDENCE: to Greek *av*; e. g. *augeo*, *αὐξάνω*; *aurora*,²⁴⁸ *αὔως* *Æol.*, (*ῥώς* *Att.*); *nauta*, *ναύτης*; *taurus*, *ταῦρος*; *caulis*, *καυλός*.

SUBSTITUTION: 1. for *av* before a short vowel, which is then²⁴⁹ absorbed; e. g. *cautum* for *cavitum*; *fautor* for *fāvitor*; *auceps* for *aviceps*; &c.

2. for *ab* before *f*; e. g. *aufugio*, *aufero* compared with *abstuli*, *ablatum*. But see § 97 n.

CHANGE OF QUALITY: 1. to *o* in the older language, but the²⁵⁰ same words are more frequently found with *au* retained; e. g. *Clodius* for *Claudius*; *copa* for *caupa*; *codex* for *caudex*; *Plotus* for *Plautus*; *plostrum* for *plaustrum*; *lotus* for *lautus*; *rōdus*, (*rūdus*, *rudusculum*) for *raudus*, *raudusculum*; *olla* (*ola*?) for *aula*; &c. So (according to Festus) in the country dialect *orum*, *orículas* for *aurum*, *aurículas*. In Plautus *ausculer* for *osculor* (cf. Suet. Vesp. 22).

explodo from *plaudo*; *suffocare* from *fauces*; &c.

2. into *ū*; e. g. *frustra* from *fraus*; *frudare*, *frude* old forms for *fraudare*, *fraude*; *excludo* from *claudio*, sometimes *cludo*; *accuso* from *causa*; &c.

OU.

SOUND: probably that of the Southern English *o*, which is really²⁵¹ a diphthong formed of *o* and *u*. Cf. § 21.

¹ In Phædr. *Append.* 21, A raven (*corvus*) is said to have cried *ave* (*ah-we*, or *au*? cf. § 94). We represent a raven's ordinary cry by *caw*. But Pliny (H. N. 10, § 121) tells of a raven who *sermoni adsuefactus*, *Tiberium salutabat*; and a trained raven is bad evidence.

This diphthong is found in inscriptions in a few words regularly before the seventh century U.C., and frequently until after the middle of the same. Afterwards ū became exclusively used in its place. Thus *Fourius*, *Loucanam*, *Loucina*, *abdoucit*, *plouruma*, *poloucta*, *pouublicom*, *plous*, *jous*, *jousit* (*jussit*), *joudex*, *jouranto*, *noundinum*. Instances of long u before the time of the Gracchi are rare; e.g. *Juno*, *Junone*, *Luciom*, *Lucius*, in some of the earliest inscriptions.

EU.

SOUND: probably pronounced as a diphthong. So in Italian. 252

HISTORY: This diphthong is found in very few Latin words, 253 viz. *heu*, *heus*; *neu* (for *neve*); *seu* (for *sive*); *œu*; *neuter*, for *ne uter*. *Neutiquam* (*nūtiquam*?) has first syllable short.

It is otherwise found only to represent the Greek *ευ*; e.g. *Εὐριπιδης*, *Euripides*; *Εὐρος*, *Eurus*; *Pseudulus* from *ψεύδω*; &c. 254

AI.

SOUND: probably diphthongal; viz. that of a broad English *i*; 255 i.e. as *ai* in *ay* (= *yes*).

HISTORY: This diphthong is found almost exclusively in the 256 inscriptions older than the seventh century U.C. in words afterwards spelt with *æ*. Thus in root syllables we find *aidilis*, *aide*, *airid* (i.e. *ære*), *praidad* (*præda*), *qualstores*, *praitor*, *Aimilius*, *aiquom*. Some instances are found in later inscriptions both republican and imperial, chiefly in proper names, especially *Aimilius*, *Calcellius*: also *Caisar*, *prafectus*; &c. In final syllables it is found frequently in republican and imperial inscriptions in the genitive and dative singular, rarely in the nominative plural, of stems in *a*, chiefly proper names, but also others; e.g. *factundai*, *coloniai*, *maxsumai*, *deai*, *Manliai*, *Agrippai*; &c. So frequently (making *ai* two long syllables) in Plautus and Ennius: Lucretius and Vergil appear to have adopted the form as an archaism, or in imitation of Ennius.

CHANGE OF QUALITY: In the dat. abl. plural of *-a* stem 257 probably the original form was *-ais* as in Oscan. In inscriptions are found only *-eis*, and *-is* (§ 266).

AE.

SOUND: the diphthong formed by these two vowels would 258 approach nearly to the sound of *a* in *bat* lengthened.

REPRESENTATION: (i) 1. in Greek by *αι*; e.g. *Æmilius* (see 259 however § 256), *Αἰμίλιος*; *Æbutius*, *Αἰβούτιος*; *Kæso*, *Καίσων*; *Cæsar*, *Καῖσαρ*; *Æqui*, *Αἴκοι* (Strabo); &c.

2. Rarely by *ε*; e.g. *Cæcilius*, *Κεκίλιος* (cf. § 262); *Cæcina*, *Κεκίνας* (Plut. but *Καικίνας*, D. Cass.). This *ε* is not found in inscriptions till the second century p. Chr. at earliest. (Dittenberger.)

(ii) 1. of Greek *αι*; e.g. *Αἰνείας*, *Æneas*; *Παναίτιος*, *Panætius*; *Λακεδαιμόνων*, *Lacedæmon*; *αἰγίς*, *ægis*; *Παιάν*, *Pæan*; *αἰθήρ*, *æther*; &c.

2. of Greek *α*; e.g. *Ἀσκλάπιος* (Dor.), *Æsculapius* (an old genitive *Aisclapi* is found); *πάλλαξ*, *pælex*, (also *pelex*).

3. of Greek *η*; e.g. *σκηνή*, *scæna*.

CORRESPONDENCE: to Greek *αι*; e.g. *æstas*, *æstus*, *αἶθω*, 26c *αἰθήρ*; *lævus*, *λαιός*; *scævus*, *σκαίος*; *ævum*, *αἶων*, *αἰές* (Att. *αἰεί*).

SUBSTITUTION: for *ai*, which however lingered beside *æ*. *Æ* is 261 found first in the *S.C. de Bacc.* in *ædem*, where in all other words (*aiquom*, *Duelonai*, *halce*, *tabelai*, *datai*) *ai* is retained. *Æ* is very rare in inscriptions before the time of the Gracchi, but after that time is almost exclusively used in all the longer and more important inscriptions; e.g. the laws, the Mon. Ancyra. &c.

æ, for *ē* and *ē*, is rare in inscriptions before (at least) the 2nd cent. after Christ. It is frequent in MSS.

CHANGE OF QUALITY: 1. to *e* both in root and final syllable. 262 A few instances occur in very old inscriptions; e.g. *Victorie*, *Fortune*, *Diane*: so also occasionally in rustic language noted by Varro, *edus* for *hædus*, *Mesius* for *Mæsius*; *Cecilius* *pretor*, ridiculed by Lucilius. But instances in inscriptions (except the Pompeian wall inscriptions) are not numerous till in and after third century after Christ; e.g. *prefectus*, *presenti*, *aque*, *patrie*, &c.

2. to *i* in root syllables after a prefix, e.g. *cædo*, *conciſdo*; *lædo*, *illiſdo*; *quæro*, *requiſro*; *æstumo*, *existumo*; *æquus*, *iniquus*; &c.

OI, OE.

SOUND: *oi* nearly as in English; e.g. *voice*, &c.: *oe* was also 263 probably sounded as a diphthong.

CHANGE OF QUALITY: Words with *ū* in the root syllable 264 were in the older language written with *oi* or *œ*; and words with *œ* in the root syllable were also earlier written with *oi*.

In inscriptions *oi* is rarely found so late as the first century before Christ: *œ* (though probably as old as Plautus) is little found in

inscriptions before the first century B.C.: *u* is found in their place in and after the time of the Gracchi.

1. *oi*, *œ* to *u*; e.g. *oino*, *œnus*, *unus*; *oinvorsel*, *universi*; *plourume*, *plœra*, *plurimi*, *plura*; *comoinem*, *moincipiis*, *mœnia*, *mœniundœ*, *inmœnes* for *communem*, *municipiis*, *munia*, *muniundœ*, *immunes*; *moiro*, *mœrum*, *murum*; *oitile*, *œtantur*, *œtier* for *utile*, *utantur*, *uti*; *coira*, *coiravit*, *cœra*, *cœravit*, *cura*, *curavit*; *loidos*, *lœdos*, *ludos*; &c.

2. *oi* to *œ*; e.g. *foldere*, *folderatel*, *foedere*, *foederati*; *coipint*, *cœpint*, *Collius*, *Cœlius*.

3. some other changes are, *noanum* afterwards *non*; *lœbertas*, *libertas*; *obœdio* from *audio*.

4. In final syllables, *hoice*, *hoic*, *quoi* (also *quoiei*), *quoique* are early forms of *huic*, *cui*, *cuique*: *pilumnœ poplœ*, for *pilumni populi* (gen. sing.), *pike-armed tribe*; *Fescenninœ* for *fescennini* (nom. pl.); *ab oloes* for *ab illis*.

EI.

1. This diphthong is found in inscriptions older than the Gracchi in the following forms, in which *i* occurs later. (The *S. C. de Bacc.* has rarely *i*, frequently *ei*.)

(a) a few root syllables; e.g. *leiber*, *deivus*, *deicere*, *ceivis*.

(b) dative singular of consonant nouns; e.g. *Apolenei*, *Junonei*, *virtutei*, *Jovei*. Frequently also in inscriptions later than the Gracchi, in which *i* also is found. The dative in *e* is also found, and more frequently in the earlier than in the later inscriptions.

(c) nominative plural of *o* stems; e.g. *folderatel*, *iei*. After the time of the Gracchi both *i* and *ei* are frequent. Earlier forms were *ēs*, *ē*, and *œ* (see Book ii).

(d) dative and ablative plural of *o* stems; e.g. *œeis* (*S. C. de Bacc.*), also *vobeis*. *-eis* is frequently found in this case after the time of the Gracchi. Both *-is* and *-eis* occur also from *-a* stems since that period, but apparently before that period no instance of those cases occurs.

(e) also in the datives and adverbs *sibei*, *tibei*, *ubei*, *ibei*, *sei*, *nei*, *utei*; in which *e* was probably a still older form.

2. In præ-Augustan inscriptions later than the Gracchi it is found instead of and beside an earlier *i*, or *e* in the classes numbered below (g), (b).

(a) in some root syllables; e.g. *deicere*, *deixerit* also (*dicere*, &c.); *promiserit*, *eire*, *adeitur*, *consculptum*, *veita*, *leitīs*, *leteras*, *meillites*, *feilia*, *Teiburtis*, *eis*, *eisdem* (nom. plur.).

(b) in suffixes; e.g. *Servellius*, *gentiles*, *ameicorum*, *discipleina*, *peregreinus*, *fugitelvus*, *peteita* (for *petita*), *mareitus*, &c.

(c) occasionally, but not frequently, as the characteristic vowel of the fourth conjugation; e.g. *audeire*, *veneire*, &c.

(d) in infin. pass. not commonly till Cicero's time; e.g. *darei*, *solvei*, *possideret*, *aget*, &c.

(e) in perfect (for an older *i* or sometimes *e*); e.g. *obeit*, *fecet*, *poseivet*, *dedeit*, &c.

(f) other verbal forms; e.g. *nolei*, *faxseis*, *seit*, &c.

(g) also rarely in the ablative from consonant and *i* nouns; e.g. *virtutet*, *fontet*, &c.

(h) nom. and acc. plur. of *i* stems; e.g. *omneis*, *turreis*, &c.

(i) genitive singular of *o* stems; e.g. *colonet*, *damnatet* (one or two instances occur a little before the Gracchi).

3. **El** is but occasionally found in post-Augustan inscriptions.

In the Fast. Triumph. Capit. (C. I. R. I. 453 sqq.) cir. 720 U.C. the ablative plur. is almost always in *-eis*; e.g. *Etruscetis*, *Galletis*, &c.

Corssen's conclusion is, that in the root syllable of the words ²⁶⁷ *deiva*, *leiber*, *deicere*, *ceivis*, in the dat. abl. plur. of *-o* stems and probably of *-a* stems, and in the locative forms, as *set*, *utet*, &c., **el** was a real diphthong; in all other cases it expressed the transition vowel between *i* and *ē* (*Ausspr.* i. 719. 788. ed. 2). As a diphthong its sound would be nearly that of the English *a*; e.g. *fate*.

Ritschl's view of the relations of *ē*, **el** and *i* is as follows (*Opusc.* ²⁶⁸ II. 626): "*First* period (5th century U.C. to and into the 6th). Predominance of *e* in place of the later *i*, and, in fact, both of *ē* for *i* and of *ē* for *i*. *Second* period (6th century). Transition of *e* to *i* (so far as *e* was changed at all), *ē* changing to *i* absolutely, but *ē* to *i* with this modification, that where in the case of *ē* the pronunciation noticeably inclined to *i*, the habit was gradually adopted of writing **el**. *Third* period (1st decad of the 7th century). Accius extends this mode of writing to every *i* without exception, in order to obtain a thorough distinction of *i* from *i*, in connexion with his theory of doubling *a*, *e*, *u* to denote the long vowel. Short *i* remains unaltered. *Fourth* period. Lucilius, recognising the arbitrary and irrational character of this generalisation, confines the writing **el** to the cases where *i* inclines to *ē*. Short *i* remains unaffected by this also."

CHAPTER XI.

OF LATIN WORDS and SYLLABLES.

A Latin word may commence with any vowel or diphthong, 269 semivowel, or single consonant.

But of combinations of consonants the following only are in Latin found as initial; viz.

1. an explosive or **f** followed by a liquid; i.e. **pl, pr; bl, br; cl, cr; gl, gr; tr; fl, fr**: but not **tl, dl, dr**;

e.g. **plaudo, precor; blandus, brevis; clamo, crudus; globus, gravis; traho; fluo, frendo**. (*Drusus* is possibly an exception (cf. § 155); other words in **dr** are Greek or foreign; e.g. **drachma, draco, Druidæ**.)

2. **s** before a sharp explosive, with or without a following liquid; viz. **sp, spl, spr; sc, scr; st, str**;

e.g. **sperno, splendo, spreui; scio, scribo; sto, struo**. Also **stilis**, afterwards **lis**. No instance of **scl** is found.

3. **gn** was found in **Gnæus** and in some other words; e.g. **gnarus, gnavus, gnosco, gnascor**, but the forms with **g** are almost confined to the early language (§ 129. 3).

4. The semi-consonant **v** is also found after an initial **q** or **s**; e.g. **qvos, svavis** (§ 89): and in Plautus **scio, dies** are pronounced **scjo, djes** (§ 142).

A Latin word may end with any vowel or diphthong, but with 270 only a few single consonants; viz. the liquids **l, r**, the nasals **m, n**, the sibilant **s**, one explosive, **t**. A few words end with **b, c, d**.

Of these, **b** occurs only in three prepositions, **ab, ob, sub**.

c only where a subsequent letter has fallen away; e.g. **dic, duc, fac, lac, ac, nec, nunc, tunc**, and the pronouns **hic, illic, istic** (for **dice, duce, face, lacte, atque, neque, nunc, tunc, hicc, illice, istice**).

d only in **haud, ad, apud, sed**; and the neuters of certain pronouns; e.g. **illud, istud, quod, quid**. In the earliest language it appears to have been the characteristic of the ablative singular; e.g. **bonod patred, &c.** (§ 160. 6).

The following combinations of consonānts are found to end ²⁷¹ Latin words. With few exceptions they are either in nominatives singular of nouns, or the third person of verbs.

1. **s** preceded

(a) by certain explosives; i.e. **ps**, **mps**, **rps**; **bs**, **rbs**; **cs**(=**x**), **nx**, **lx**, **rx**;

e.g. **adeps**, **hiemps**, **stirps**; **cælebs**, **urbs**; **edax**, **lanx**, **calx**, **arx**; &c. Also the words **siremps**, **abs**, **ex**, **mox**, **sex**, **vix**.

(b) by a nasal or liquid; i.e. **ns**, **ls**, **rs**;

e.g. **amans**, **frons**, **puls**, **ars**. Each of these combinations is unstable (e.g. **homo** for **homons**, **consul** for **consuls**, **arbor** for **arbors**); but is here preserved owing to one consonant having been already sacrificed; viz. **amans** for **amants**; **frons** for **fronts** or **fronds**; **puls** for **pults**; **ars** for **arts**. In **trans**, **quotiens**, the combination is not more stable: comp. **tramitto**, **quoties**.

2. **t** preceded by **n**, or rarely by **l**, **r**, **s**; i.e. **nt**, **lt**, **rt**, **st**;

e.g. **amant**, **amaverint**, &c. The only instances of the other combinations are **vult**, **fert**, **est**, **ast**, **post**.

3. **c** preceded by **n**, i.e. **nc**. Only in the following, **nunc**, **tunc**, **hinc**, **illinc**, **istinc**; **hunc**, **hanc**; **illunc**, **illanc**; &c.

The division of a word into syllables appears to have been in ²⁷² accordance with the general principles (see § 15)¹; that is to say,

1. the division was made in the middle of a consonant.

2. the tendency was to pronounce with a vowel as many of the following consonants as were so pronounceable.

3. the admissibility of a particular combination of consonants in the *middle* of a word depends on the laws of phonetics, not on the particular causes, partly etymological, partly accentual (the last syllable, where there is more than one, being in Latin always unaccented, § 296), which controlled the occurrence of consonants at the *end* of a word. But the laws of phonetics in this matter depend on the Roman mode of pronunciation, not on our mode; e.g. **ts**, **ds** were not stable; &c.

That such was the mode in which the Romans actually pro- ²⁷³ nounced is shewn by the following facts:

1. Vowels are affected by the consonants *following* them; viz. **ø** before **r** is retained instead of being changed to **i** (§ 234, 204. 184); **ö** or **ü** before **ll** is changed to **e** (§ 213. 4, also § 204); the short

¹ See some discussion of this matter in the Preface.

vowel before *l* is *ø* or *ũ*, not *l* or *ē*, as before *n* &c. (§ 176. 2). So *ē* remains before two consonants (§ 234. 3. *b*).

2. Consonants are affected by the consonants *following*; e.g. *scribtus* is changed to *scriptus*, the pronunciation being *script-tus*, not *scrib-tus* or *scri-btus*. (Even in the few cases where a consonant is affected by the preceding consonant, the combination of the two (or more consonants) in the *same* syllable is presumed; e.g. *dividtum* could not have been *divid-tum* or it would not have become *divisum* or *divisum*).

3. A syllable with a short vowel is treated as long, if two consonants *follow* the vowel. This means that though the vowel is short, the aggregation of consonants occupies as much time in pronouncing, as if the vowel were long. The exception to this rule of prosody, which a mute and liquid form, is in accordance with the principle of division of syllables; e.g. *patris* cannot be divided into *patr-ris* but into *pat-tris* (where the double *t* represents not twice *t* but the two halves of one *t*, §§ 9. 15).

4. A vowel is often lengthened to compensate for the extrusion of a consonant *following* (§ 35). The consonant must therefore belong to the preceding vowel, or that vowel could not be entitled to the compensation. The so-called compensation is in truth a natural phonetic effect of the effort to pronounce a difficult combination of letters.

The division of syllables in *writing*, which is found in inscriptions of the eighth and ninth centuries U.C. and the MSS. of the fourth or fifth century after Christ¹ or earlier (if any), is (though not quite invariably) as follows:

1. Where a single consonant is between two vowels the division is before it; e.g. *dede* | *rit*, *protu* | *lerint*, *publi* | *ce*, *ma* | *num*, &c.

2. Where two consonants come together the division is between them; e.g. *op* | *tima*, *res* | *ponsum*, *ig* | *nota*, *præs* | *to*, *tran* | *sisse*, &c.

3. Where three consonants come together the division is after the first two, unless the second and third be a mute and liquid, in which case the division is before both; e.g. *Vols* | *ci*, *abs* | *cedimus*, *cons* | *pexisset*, *obs* | *tinati*, *Quino* | *tius*, *cunc* | *ta*; *ins* | *tructo*, *cas* | *tris*, *pos* | *tremo*.

4. The letter *x* is treated as a single consonant; e.g. *eni* | *xa*, *di* | *xit*, *pro* | *xumus*.

¹ See Mommsen, *Livi Cod. Veron.* p. 163—166. *Mon. Ancyr.* p. 145. *Stadtrecht d. Salpensa*, &c. p. 505.

(It is obvious that if the division in pronunciation takes place in the middle of a consonant, the writing cannot mark this accurately. That the preference was given to the second half of the consonant is no doubt due to the fact, that in the case of *p, k, t* the distinctive power of the sound consists entirely, and in *b, g, d* considerably, in the slight puff or explosion which follows the separation of the organs (cf. § 57). When three consonants occur together, the writing conforms better to what is above shewn to have been the pronunciation.)

The early inscriptions avoided division of a word altogether. Augustus (Suet. *Aug.* 87) wrote the superabundant letters over or under the word. MSS. in the sixth century (e.g. the Florentine MS. of the Digest) began to follow Priscian's rules, which were borrowed from the Greeks; e.g. *perfe | ctus, i | gnomina, &c.*

CHAPTER XII.

QUANTITY OF SYLLABLES¹.

THAT part of grammar which treats of the Quantity of Syllables is often called *Prosody*, a term which the ancients applied principally to *accentuation*. 275

If the voice dwells upon a syllable in pronouncing it, it is called a *long* syllable: if it passes rapidly over it, it is called a *short* syllable.

Long syllables are marked in grammars by a straight line over the vowel: thus, *aūdl*.

Short syllables are marked by a curved line over the vowel: thus, *rögë*.

Two short syllables are considered to occupy the same time as one long syllable.

A *syllable* is long or short, either because it contains a *vowel* naturally long or short; or on account of the position of its vowel.

¹ Much use in this chapter has been made of Luc. Müller's *De re metrica*.

i. Quantity of vowels not in the last syllable of a word. 276

1. All diphthongs are long (except before another vowel); e.g. *aurum*; *deinde*; &c.

2. All vowels which have originated from contraction are long; e.g. *cōgo* for *cō-āgo*, *mōmentum* for *mōvimentum*, *tibicen* for *tibī-cen*; &c.

3. The quantity of the radical syllables of a word is *generally* preserved in composition or derivation, even when the vowel is changed; e.g. *māter*, *māternus*; *cādo*, *incīdo*; *cāedo*, *incīdo*; *āmo*, *āmor*, *āmicus*, *inīmicus*; &c.

Some exceptions will be found under the several vowels, and as regards *red* and *prod* (*pro*), under D (§ 160. 7, 8).

So also almost always where the members of a compound word may be treated as separate words, as *quāpropter*, *mēcum*, *aliōqui*, *agricultura*. But we have *siquidem* and *quandōquidem* (from *sī* and *quandō*); and for the compounds of *ubī*, *ibī*, see § 243. 31.

For the quantity of root vowels no rule can be given. The quantity of inflexional or derivative affixes is given in Books II. III.

Greek words usually retain in Latin their own quantity.

ii. Quantity of vowels in the last syllable of a word. 277

(A) *Monosyllables are long.*

Except

(a) The enclitics *quē*, *nē*, *vē*, which are always appended to other words.

(b) Words ending with *b*, *d*, *t*; e.g. *āb*, *sūb*, *ōb*; *ād*, *id*; *āt*, *ēt*, *tōt*, *flēt*, *dāt*; &c.

(c) *ēs* (*thou art*), *fāc*, *lāc*, *nēc*, *fēl*, *mēl*, *vēl*, *ān*, *īn*, *fēr*, *pēr*, *tēr*, *vīr*, *cōr*, *quīs* (nom. sing.), *īs*, *bīs*, *cīs*, *ōs* (*a bone*). The nom. masculine *hic* is not frequently short. (*ēs* in Plaut., Ter.)

(B) *In polysyllables.*

278

1. *a* and *e* (and Greek *ŷ*) final are short.

Except **a** in

- (a) Abl. sing. of nouns with **a-** stem; e.g. **musā**.
- (b) Imperative sing. act. of verbs with **a-** stem; e.g. **amā**.
- (c) Indeclinable words; e.g. **ergā**, **intrā**, **quadragintā**; but **putā** (Pers. and Mart.), **itā**, **quā**, **ejā**.
- (d) Greek vocatives from nominatives in **ās**; e.g. **Aeneā**, **Pallā**; and Greek nom. sing. of **a-** stems; e.g. **Electrā**. Cf. §§ 472. 473.

Except **e** in

279

- (a) Gen. dat. abl. sing. of nouns with **e-** stems; e.g. **faciē**; so also **hōdiē**.
- (b) Imperative sing. act. of verbs with **e-** stems; e.g. **monē**; but in **cave** (Hor. Ov.), and **vide** (Phædr. Pers.) it is sometimes short (§ 233. 4).
- (c) Adverbs from adjectives; with **o-** stems; e.g. **doctē**, to which add **fērē**, **fermē**, **ohē**; but **benē**, **malē**, **infernē**, **supernē**; **tēmēre** is only found before a vowel. **Mactē**, probably an adverb, also has **e** short.
- (d) Greek neut. pl.; e.g. **tempē**, **pelagē**; fem. sing. **crambē**, **Circē**; masc. voc. **Alcidē**.

2. **i, o, u** final are long.

280

Except **i** in

- (a) **mihi**, **tibi**, **sibi**, **ubi**, **ibi**, in which **i** is common, and **quasi**, **nisi**. (See § 243. 3.)
- (b) Greek nom. acc. neuters sing.; e.g. **sinapi**: vocatives; e.g. **Parī**, **Amaryllī**: rarely dat. sing. **Minoidī**.

Except **o** in

281

- (a) **citō**, **immō**, **modō** (and compounds), **duō**, **egō**, **cēdō** and **endō** (old form of **in**). Rarely **ergō**. Martial, Juvenal, &c., have **intrō**, **porrō**, **serō**, **octō**, &c.; **modo** has sometimes final **o** long in Lucretius and earlier poets.
- (b) In the present tense of the verbs **sciō**, **nesciō**, **putō**, **volō**, used parenthetically, **o** is sometimes short: and occasionally in and after the Augustan age in other verbs with short penult; e.g. **rogō**, **vetō**, **nuntiō**, **obsecrō**. Instances of other parts of the verb or of long penults are rarer; e.g. **estō**, **cæditō**, **oderō**, **dabō**, **tendō**, **tollō**, **credō**.

(c) In Nominatives of Proper names with consonant stems *ō* is common, e.g. *Pollio*, *Scīpio*, *Cūrio*, *Naso*; sometimes *virgō*, *nemō*, *homō*, and other appellatives in *Martial*, *Juvenal*, &c.

Datives and ablatives in *o* are never short, except the ablative gerund once or twice in *Juvenal* and *Seneca*.

3. *Final syllables ending in any other single consonant than s are short.* 282

But the final syllable is long in

- (a) all cases of *illīc*, *istīc*, except the nom. masc.
- (b) all compounds of *pār*, e.g. *dispār*, *compār*.
- (c) *alēc*, *liēn*.
- (d) *it*, *petīt*, and their compounds (and of course *it*, *petīt* as contracted perfects).
- (e) some Greek nominatives in *-er*; e.g. *cratēr*, *charactēr*, *aēr*, *æthēr*; and some cases in *-n*; e.g. *sirēn* (nom.), *Æneān* (acc.), *Euclidēn* (acc.), *epigrammatōn* (gen. pl.); &c.

4. *Of the final syllables in s,*
as, os, es, are long. 283

Except

- (a) *ānās* (probably); *exōs*; *compōs*, *impōs*; *pēnēs*.
- (b) nom. sing. in *-es* of nouns with consonant stems, which have *ētis*, *ītis*, *īdis*, in genitive, e.g. *sēgēs*, *mīlēs*, *obsēs*: but *parlēs*, *abiēs*, *ariēs*, *Cērēs*.
- (c) compounds of *es* (from *sum*), e.g. *abēs*.
- (d) some Greek words; e.g. *Ilīās* (nom.), *craterās* (acc. pl.); *Delōs* (n. sing.), *Erinnyōs*, *chlāmydōs* (gen. sing.), *Arcadēs*, *cratērēs* (nom. pl.); *Cynosargēs* (neut. s.).

5. *us and is are short.* 284

Except *ūs* in

- (a) gen. sing. and nom. and acc. plu. of nouns with *-u* stems.
- (b) nom. sing. of consonant nouns, when genitive singular has long penultimate, e.g. *tellūs* (*tellūris*), *palūs* (*palūdis*), *virtus* (*virtūtis*).
- (c) some Greek names; *Sapphūs* (gen. s.), *Panthūs* (nom. s.).

Except **is** in

285

(a) dat. and abl. plural, e.g. **mensis**, **vobis**, **quis**; so **gratis**, **foris**. Also in acc. (and nom.) plural of **-i** stems; e.g. **omnis**.

(b) 2nd pers. sing. pres. ind. of verbs with **-i** stems; e.g. **audis**: also **possis** (and other compounds of **sis**), **velis**, **nolis**, **malis**.

(c) 2nd pers. sing. of perf. subj. and compl. fut. in which **is** is common; e.g. **videris**. (But see Book II.)

(d) **Samnis**, **Quiris**. **Sanguis** sometimes (always in **Lucr.**), **pulvis** (once **Enn.**, once **Verg.**), has **-is**.

(e) some Greek words; **Simois**, **Eleusis**, **Salamis** (nom. sing.).

iii Quantity of syllables by position in the same word 286

1 A syllable ending with a vowel (or diphthong) immediately followed by another syllable beginning with a vowel, or with **h** and a vowel, is short; as, **via**, **præustus**, **contrahit**. 287

Except

(a) In the genitives of pronouns, &c. in **-ius**; e.g. **illius**, where **i** is common. In **alius** (gen. case) the **i** is always long: in **solius** it is short once in **Ter.** In **utrius**, **neutrius** it is not found short, but in **utriusque** frequently¹.

(b) the penultimate **a** in the old genitive of nouns with **-a** stems; e.g. **aulai**. So also **e** in **diai**, and, in **Lucretius**, **rei**, and (once) **fidai**. Also **ai** (dat. pronoun), unless contracted **ei**.

(c) **a** or **e** before **i** (where **i** is a vowel) in all the cases of proper names ending in **ius**; e.g. **Gaius**, **Pompaius** (but see § 139).

(d) The syllable **ai** in **fio** (except before **er**; e.g. **fieri**, **fierem**).

(e) The first syllable of **ehen!** and the adjective **dius**. In **Diana** and **ohē** the first syllable is common.

In Greek words a long vowel is not shortened by coming before another vowel; e.g. **Nerēidi**, **Eōō** (but cf. § 229), **Aenēas**, **āera**, **Maeōtia**.

2. A syllable² containing a vowel immediately followed by two consonants, or by **x**, or **z**, is long; as, **regēt**, **strīx**.

But if the two consonants immediately following a short vowel be the first a mute or **f**, and the second a liquid, the vowel remains

¹ See **Ritschl**, *Opusc.* II. 678 foll.

² For the length of the vowel itself in some cases see §§ 151 note, 167. 2.

short in prose and in comic poets, though in other verse it is frequently lengthened.

The following combinations occur in Latin words: **pr**, **br**, **cr**, **gr**, **tr**¹, **dr**, **fr**; **pl**, **cl**, **fl**; e.g. **apro**, **tēnebræ**, **vōlucris**, **agrum**, **patris**, **quadrīga**, **vafrum**; **manipulus**, **assecla**, **refluus**.

El also occurs in **publicus**, but the first syllable is always long (for **poupublicus**).

In Greek words other combinations allow the vowel to remain short; e.g. **Ātlas**, **Tēcnessa**, **Cŷcnus**, **Dāphne**.

Where the combination is due to composition only, the syllable is always lengthened, just as if the words were separate (cf. § 292); e.g. **sūbruo**, **abluo**.

iv. Effect of initial sounds on the final syllable of ²⁸⁸ a preceding word.

In verse the final syllable of a word is affected by the vowel or consonants at the commencement of the next word, in something the same way in which one syllable is affected by the succeeding syllable in the same word.

1. A final vowel or diphthong or a final syllable in **m** is omitted (or at least slurred over) in pronunciation, if the next word commence with a vowel or diphthong or **h**. See the preface.

Thus **vidi ipsum**, **vive hodie**, **monstrum ingens** are read in verse as of no more length than **vid-ipsum**, **viv-hodie**, **monstr-ingens**.

When **est** follows a vowel or **m** the **e** was omitted (see in Book II.).

But the poets (except the early dramatists) refrain in certain cases ²⁸⁹ from so putting words as to occasion such an elision². Especially it is avoided when the second word begins with a short vowel; viz.

(a) Monosyllables ending in long vowel or **m** are rarely elided before a short syllable, and, particularly, the following are never so elided; **sim**, **dem**, **stem**, **rem**, **spem**, **spe**, **do**, **sto**, **qui** (plur.):

the following are so elided; **cum**, **tum**, **num**, **sum**, **jam**, **nam**, **tam**, **quam**, **me**, **te**, **se**, **de**, **mi** (dat.), **qui** (sing.), **ni**, **si**, **tu**.

(b) An iambic word, ending in a vowel, in dactylic verse is not elided before a short syllable or an accented long syllable.

¹ **Arbitro**, **arbitrium**, &c.; **genetrix**, **meretrix**, are nowhere found with long second syllable.

² These statements are abridged from Luc. Müller, p. 283.

(c) A cretic ending in a vowel was very rarely elided before a short syllable, except by Catullus, and Horace in Satires.

(d) A spondee ending in a vowel, is rarely elided, by Horace in lyrics, or by Ovid and subsequent poets, before a short syllable, except in first foot; e.g. *certe ego, multi inopes, risi ego* (Lucan, Martial).

(e) Of words ending in *m* (counting the last syllable as short) a pyrrich is very rarely elided before a short syllable or accented long syllable, except uninflected particles; e.g. *enim, quidem*. A dactyl is rarely elided before a short syllable by Ovid or later writers.

(f) Of words ending in *ā* or *ō* a pyrrich or dactyl is rarely elided before a short syllable, except (1) in proper names; or (2) in first foot; or (3) in words ending in *ā*, before a word beginning with *ā*; or (4) in the words *atto, ego, modo, duo*.

An elision at the end of a verse before a vowel in the same verse 290 is very rare in any poet, except in Horace's Satires and Epistles.

An elision at end of a verse before a vowel at the beginning of the next verse is found not uncommonly in Vergil, only once or twice in other writers' hexameters. In glyconic and sapphic stanzas it is not uncommon; e.g.

Aut dulcis musti Volcano decoquit umorem
et foliis. (Verg.)

Dissidens plebi numero beatorum
eximit virtus. (Hor.)

An hiatus is however permitted;

291

Always at the end of one verse before an initial vowel in the next verse except in an anapæstic metre.

Occasionally in the same verse; viz.

(a) if there is an interruption of the sense; though it is very rare, when the first of the two vowels is short; e.g.

Promissam eripui genero, arma impia sumpsit. (Verg.)

Addam cerea pruna: honos erit huic quoque pomo. (Verg.)

(b) in arsis, chiefly at the regular cæsure; e.g.

Stant et juniperi et castaneæ hirsutæ. (Verg.)

Si pereo, hominum manibus periisse juvabit. (Verg.)

(c) in thesis, a long vowel, especially in a monosyllable, is sometimes shortened instead of elided; e.g.

Credimus? an qui amant ipsi sibi somnia fingunt? (Verg.)

Hoc motu radiantis Etesis in vada ponti. (Cic.)

(d) a word ending in **m** is rarely not elided (there being only about seven instances in arsis, and a few of monosyllables in thesis); e.g.

Miscent inter sese inimicitiam agitantes. (Enn.)

Sed dum abest quod avemus, id exsuperare videtur. (Lucr.)

2. A short final syllable ending in a consonant is lengthened by ²⁹² an initial consonant in the word following; e.g.

Vellitur, huic atro liquuntur sanguine guttæ! (Verg.)

Quo Phœbus vocet errantis jubeatque reverti. (Verg.)

3. A short final syllable ending in a vowel is rarely lengthened ²⁹³ before two consonants at the beginning of the next word.

This is done before **sp**, **sc**, **st**; more rarely still before **pr**, **br**, **fr**, **tr**. There are a few instances in Catullus, Tibullus, Martial, &c. (none in Lucretius, Vergil, Horace, Propertius, Ovid); e.g.

Nulla fugæ ratio; nulla spes omnia muta. (Cat.)

Tua si bona nescis

Servare, frustra clavis inest foribus. (Tib.)

On the other hand a short final vowel is rarely found before **sp**, **sc**, **sq**, **st**, **gn**.

Lucilius, Lucretius, Horace in Satires, and Propertius have about ²³ instances; Vergil one, and that where the sense is interrupted. Other poets have hardly a single instance: the collocation was avoided altogether. But before Greek words, e.g. **smāragdus**, and (before **z** in) **Zäcynthus**, instances are found in many poets.

4. The enclitic **-que** is lengthened in arsis not uncommonly by Vergil (before two consonants, or a liquid or **s**), and by Ovid: very rarely by others; e.g.

Tribulaque traheæque et iniquo pondere rastra. (Verg.)

So once final **a**;

Dona dehinc auro gravia sectoque elephanto. (Verg.)

5. Occasionally (in Vergil about 50 times) a short final closed ²⁹⁴ syllable is lengthened by the arsis, though the next word begins with a vowel: this is chiefly in the cæsure, or when a proper name or Greek word follows, or where the sense is interrupted; e.g. (all from Vergil):

Pacem me exanimis et Martis sorte peremptis

oratis? Equidem et vivis concedere vellem.

Desine plura puer, et quod nunc instat agamus.

Olli serva datur, operum haud ignara Minervæ,
Ipse, ubi tempus erit, omnes in fonte lavabo.
Pectoribus inhians, spirantia consulit exta.

In thesis it is very rare; e.g.

Si non periret immiserabilis captiva pubes. (Hor.)

So also Ennius in arsis has *sorōr*, *genitōr*, *clamōr*, *jubār* (masc.); *venerōr*; *populūs*; *servāt*, *memorāt*, *versāt*, *manāt*; *faciēt*, *tenēt*, *fierēt*, *jubēt*, *constituit*, *ponit*, *cupit* (pres.), *it*, *tinnit*, *voluit*, *velit*, and a few others. In thesis he has *clamōr*, *ponebāt*, *essēt*, *infuit*. (See Nettleship, *Conington's Vergil, Excurs. to Book XII.*)

v. Peculiarities in early dramatic verse.

In early dramatic verse the quantity of syllables was not so²⁹⁵ definitely fixed or observed, as in the later dactylic and other verse. The principal cases of *variation* may be classified as follows¹.

1. Final syllables, afterwards short, were sometimes used with their original long quantity; e.g. *famā* (nom. s.), *sorōr*, *patēr*, *amēt*, *sciāt*, *ponebāt*, *percipit*, *vendidit*, *amēr*, *loquār*, &c.

2. Final syllables with long vowels were sometimes used as short; e.g. *domō* (abl. s.), *probē* (adv.), *tacē*, *manū*, *virī*, &c.; *conrigi*, *bonās*, *forās*, *dolōs*, *ovēs*, *manūs* (acc. pl.), *bonis*, &c. Comp. also § 205, 233.

3. Syllables containing a vowel followed by two consonants were sometimes used as short. Such are

(a) Syllables in the later language written with doubled consonants (cf. § 58); e.g. *immo*, *ille*, *simillimæ*, *Philippus*, *esse*, *occulto*, &c.

(b) Some syllables with two different consonants; e.g. *inter*, *interim*, *intus*, *inde*, *ūnde*, *nēmpē*, *ōmnis*. So also (according to some) *volūptas*, *magistratus*, *ministrabit*, *ventūstas*, *senēctus*, &c. (better *volptas*, *magstratus*, &c.); *expediant*, *exigere*, *ūxorem*.

4. Final syllables ending in a consonant were sometimes not lengthened, though the next word began with a consonant; e.g. (in Terence) *enim vero*, *auctūs sit*, *sorōr dictast*, *dabit nēmo*, *simul conficiam*, *tamēn susploor*, &c.; *apud* is frequently so used: even *studēt facere*. This licence is most frequent, when the final consonant is *m*, *s*, *r*, or *t*; and is due to the tendency of the early language to drop the final consonant (see § 86. 152, 5. 193, 5), and to shorten the final vowel.

5. On the freer use of *synizesis*, e.g. *tvos* for *tuos*, *scjo* for *scio*, &c. see § 92. 142.

¹ See Ritschl *Rhein Mus.* (1859), XIV. 395 sq. and *Opusc.* II. Pref. pp 10, 11: Wagner's Pref. to Plaut. *Aulul.* (1866), and to Terence (1869).

CHAPTER XIII.

ACCENTUATION.

ACCENT is the elevation of voice, with which one syllable of ²⁹⁶ a word is pronounced, in comparison with the more subdued tone with which the other syllables are pronounced¹.

Monosyllables always have the accent.

Disyllables have the accent on the penultimate syllable, unless they are enclitic.

Words of more than two syllables have the accent on the antepenultimate, if the penultimate syllable is short; on the penultimate, if it is long.

The Romans distinguish between an acute and a circumflex accent. The circumflex stands only on monosyllables which have long vowels; and, in words of more than one syllable, on the penultimate, if that have a long vowel, and the final syllable have a short vowel.

If the acute be marked by a ' over the vowel; the circumflex by a ^, the above rules may be illustrated by the following examples:

Monosyllables; áb, mél, fé!; árs, párs, n!x, f!x; sp!s, f!s, m!s, l!s; m!ns, f!ns, l!x.

Disyllables; déus, cítus, árat; déo, Cáto, árant; sóllers, póntus, pónto, lún!; lún!; Róm!; vídit.

Polysyllables; Sérgius, fúscina, créder!; Sérgio, fúscinas, créderent, Metéllus, fenéstra; Meté!lo, fenéstr!; Sab!no, pr!edives; Sabinus, Rom!ne, amicus, am!re.

All compound words, whether their parts can or cannot be used ²⁹⁷ as separate words, are accented according to the regular rules; e.g. anhé!lo, rédim!o; ún!dique, ítaque (*therefore*); ítidem, útinam, póst-hac, póstmodo, intrórsus, quicúmque, jandúdum, exadv!rsus, quódsi, fórsan, &c. So respúb!lica or r!s púb!lica.

¹ This subdued tone is called by grammarians the *grave accent*. The principal rules of Latin accentuation are given by Quintilian, l. 5. 22—31.

A few words, called enclitics, always appended to other words, 298 caused, according to the Roman grammarians, the accent to fall on the last syllable of the word to which they were attached. These are *-que* (*and*), *-ne*, *-ve*, *-ce*, *-met*, *-pte*, *-dum*, and also the separable words, *quando*, *inde*; e.g. *itáque* (*and so*), *utíque* (*and as*), *illíce*, *hicíne*, *mihímet*, *respiciédum*, *éxinde*, *écquando*, &c. So also *que* in *pleráque*. In the case of many words called enclitics (owing to their own quantity) the accentuation is the same, whether they be considered as enclitics proper, or parts of a compound; e.g. *quandó-quidem*, *scílicet*, *quibúslibet*, *quantúmvis*, &c.

Prepositions and adverbs used as prepositions (e.g. *intra*) were 299 regarded as closely attached to the word which they precede, and belong to. In inscriptions they are frequently written as one word with their nouns. The Roman grammarians considered them to have no accent when thus preceding their noun or a word (e.g. adjective or genitive case) dependent on it; e.g. *ad éas*, *adhúc*, *in fóro*, *virtútem propter pátris*, &c. But if they follow their noun, they are said to retain their own accent; e.g. *quæprópter*, *quácúm*, but *cum* after personal pronouns is said to be enclitic; e.g. *nóbiscum*.

(L. Müller, resting on the usage of dactylic poets as to the *cæsura*, &c., confines this to the words *me*, *te*, *se*, *nos*, *vos*, in company with disyllabic prepositions in *-ter*, *-tra*; e.g. *inter nós*, *intra sé*).

So also the relative was unaccented, the interrogative accented; e.g. *quo díe*, *on which day*: *quô díe?* *on which day?*

Apparent exceptions to the general rules are some words in 300 which the accent remains, notwithstanding the loss of a syllable; e.g.

1. Some words where the accent is on what is now the last syllable; e.g. *illíc*, *prodúc*, *tantôn*, *bonân*, *satín*, *nostrás*, for *illíce*, *prodúce*, *tantône*, *bonâne*, *satísne*, *nostrátis* (§ 418), &c.

2. Some where the accent is on the penult instead of on the antepenult; e.g. (gen. and voc.) *Valéri*, *Vergíli*, &c. (for *Valerie*, *Valerii*; *Vergílie*, *Vergílii*; &c.); and the verbs (really not complete compounds) *calefáctis*, *mansuefácti*, &c.

It would appear¹, though little reference is made to such a doc- 301 trine in the Roman grammarians, that words of more than three syllables must have frequently had besides the principal accent another subordinate one; e.g. *numerávimus*, *sisterémus*, *longitúdo*, *difficultátibus* had probably a subordinate accent on the first syllables.

¹ See Corssen *Ausspr.* II. p. 242 foll. ed. 1.

The first part of a compound especially may have retained to some extent the accent which it had as a simple word; e.g. *pér-grándis*, *præterit̃re*, *vérripéllis*, *úndeviginti*.

The frequent omission or absorption of a short vowel, or of a syllable which has according to the general rules the accent, leads to the inference that there must have been a tendency to put the accent nearer to the beginning of the word than the antepenultimate or penultimate syllable¹. The effort to do this, and the resistance made by the heavy dragging of the unaccented syllables after it, were the cause of the omission, e.g. *intellexísti* became *intelléxti*; *dehíbeo*, *débeo*; *gavídeo*, *gaúdeo*; *surrípuit*, *súrpuít*; *calcáre*, *cálc-car*; *armígerus*, *ármiger*; *puerítia*, *puértia*; &c.

So the weakening of the vowel in compounds; *inquiro* for *inquæro*, *conclúdo* for *com-claudo*, *abreptus* for *ab raptus*, is difficult to explain, so long as the affected syllable is considered as accented.

Similarly the change of *ille-ce* to *illice*, *illic*, suggests doubts as to the truth of the doctrine respecting enclitics, given above § 298.

¹ Ib. p. 321 foll.

BOOK II.
INFLEXIONS.

BOOK II.¹

INFLEXIONS.

CHAPTER I.

OF INFLEXION IN GENERAL.

WORDS may be divided into two classes, those which have ³⁰³ *inflexions*, and those which have not.

Nouns, pronouns, and verbs are *inflected*: other words are not.

Inflexions are those alterations or additions, which are made in a ³⁰⁴ word in order to fit it for different functions, as part of a sentence. Thus in *mulier*, *woman*; *mulier-is* *woman's*; *mulier-es*, *women*; *mulier-um*, *women's*: *ama-t*, *love-s*; *ama-sti*, *love-dst*; *amatus*, *love-d*; *ama-nis*, *lov-ing*: *pu-n-go*, *I prick*; *pu-pug-i*, *I prick-ed*; *pu-n-c-tus*, *prick-ed*; we have the same noun or verb differently inflected.

That part of a word, which is essentially the same under such ³⁰⁵ different uses, is called the *stem*. In the above words *mulier*, *ama*, and *pug* are the stems. The suffix, which forms the inflexion, often affects or is affected by the neighbouring letters of the stem, so that the two melt as it were into one another.

A stem is in Latin rarely used without having, or at least having had, some inflexions; e.g. *consul* is both stem and nominative case; but this is probably because the nominative suffix is incompatible with *l* (see § 176, 5).

¹ Throughout this book great and constant use has been made of F. Neue's *Formenlehre* Th. i. (1866); Th. ii. (1861). The authorities, on which the statements in the text are based, will usually be found there. Frequent reference has also been made to Ruddimann's (ed. Stallbaum 1823), Schneider's (1819), G. T. Krüger's (1842), Madvig's (3rd ed. 1857), and Key's (2nd ed. 1858) Grammars. Also to Bücheler's *Grundriss der latein. Declination* (1866); besides Corssen, Ritschl, &c.

Different nouns and verbs and other words have frequently a ³⁰⁶ common part: such common part is called a *root*. Thus the root *sta-* is common to *sta-re*, *sta-tio*, *sta-tuo*, *sta-men*, *sta-tūra*, *sta-tim*, &c., to *stand*, *standing*, *stablish*, *standing-thread*, *standing-height*, *instantly*, &c. A root may be used as a stem, or the stem may contain the root with alterations or additions. The additions made to form a stem from a root are discussed in Book III.

The inflexions of nouns and pronouns are in the main the same, and will be treated of together. The inflexions of verbs are quite distinct, but the formation of certain verbal nouns, though properly belonging to Book III., is generally treated in connexion with the inflexions of the verbs.

CHAPTER II.

OF NOUN INFLEXIONS, AND PARTICULARLY OF GENDER.

THE inflexions of nouns are always additions to, or alterations in, ³⁰⁷ the *end* of the stem. They serve to mark the gender, the number, and the case, of the word.

As regards *gender* a two-fold distinction was made; (1) accord- ³⁰⁸ ing as sex could be attributed or not; (2) according as the sex attributed was male or female.

Names of things, to which sex was not attributed, are said to be of the *neuter* gender: but the Romans, yielding to their imaginations, attributed sex to many things, which really had it not, and thus living creatures are but a small number of the objects, which have names of the *masculine* and *feminine* genders.

The distinction of gender is not marked throughout all the ³⁰⁹ cases. In the nouns put together as the first class, the feminine was perhaps originally different from the masculine and neuter throughout, and it still is so in most cases. The masculine and neuter differ only in the nominative singular, and nominative and accusative plural.

In the second class, the masculine and feminine are alike throughout: the neuter differs from both in the accusative, and usually in the nominative.

The neuter form is always the same in the nominative and accusative cases. In the singular of the first class this form is the same as that of the accusative masculine: in the second class it is the bare stem, unprotected by a suffix, and therefore sometimes withered: in the plural of both declensions it always ends in *-a*.

The real significance of the inflexions is best seen in adjectives, ³¹⁰ because they have the same stem modified, if of the first class, to represent all three genders; if of the second class, usually only to represent the masculine and feminine genders as distinguished from the neuter; i.e. sex as distinguished from no sex; e.g. *bonus* (m.), *bona* (f.), *bonum* (n.); *tristis* (m. f.), *triste* (n.); *amans* (m. f. n.), but accusative *amantem* (m. f.), *amans* (n.).

Substantives differ from adjectives as regards their inflexions, ³¹¹ chiefly in being fixed to one gender only. But

1. Some substantival stems have a masculine and feminine form; e.g. *Julius* (m.); *Julia* (f.); *equus* (m.); *equa* (f.).

2. A few substantives of the first class are feminine, though with stems in *-o*; others masculine, though with stems in *-a*.

3. A substantive of the second class may be masculine, or feminine, or both, the form being indeterminate.

4. Some suffixes of derivation are exclusively used for substantives, and not for adjectives: some again are confined to the masculine gender, others to the feminine. E.g. no adjective is formed with the suffix *-iōn*: again all abstract substantives, if formed by the suffix *-iōn*, or *-tāt* are feminine; if formed by the suffix *-ōr* are masculine.

It follows from the above, that the gender is not always known ³¹² by the form.

The test of a substantive's being of a particular gender is the use of an adjective of that particular gender as an attribute to it; e.g. *humus* is known to be feminine, because *dura humus*, not *durus humus* is used.

An adjective, where the form is not determinately significant, is commonly said to be in the same gender, as that of the substantive to which it is used as an attribute.

But though the sex attributed to the person or thing is not ³¹³ always expressed by the form, the gender was never assigned in defiance of the true sex in persons, nor in animals, if the sex was of importance. Many animals are denoted by a substantive of only one form and only one gender, the masculine or feminine having

been originally selected, according as the male or female was most frequently thought of. Animals of the kind generally would be spoken of, without distinction, by this noun, whether it were masculine or feminine; e.g. *olōres* (m.) *swans* in general; *anātes* *ducks*, including *drakes*. If a distinction is important, the word *mas* or *femina*, as the case may be, is added; e.g. *olor femina*, *the female swan*; *anas mas*, *the male duck*. Such nouns are called *epicœna* (Quint. i. 1. 24).

In the same way a feminine, e.g. *Ætna*, can be spoken of as masculine, if *mons* be added; a river can be neuter, if *flumen* be added: and the appropriate change of gender takes place sometimes without the explanatory word being expressed; e.g. *Eunuchus acta est*, i.e. *the play Eunuchus*; *Centauro invehitur magna*, i.e. *on the ship Centauros*. So occasionally *herba* or *littera* is understood.

The genders assigned to names of persons, animals, or vegetables, 314 and of some other classes of natural objects were as follows:

1. *Names of persons*: Names of males are masculine, of females feminine. Thus proper names of females, derived from the Greek, though retaining the neuter suffix corresponding to their neuter gender in Greek, are in Latin feminine; e.g. in Plautus, and Terence, *Planēsiūm*, *Glycēriūm*, *Phronēsiūm*, *Stephāniūm*, *Delphiniūm*.

For *Appellatives*, especially those derived from age or relation- 315 ship, there are separate forms, sometimes from different roots, for the males and females; e.g. *mas*, *femina*; *pāter*, *māter*; *āvus*, *avia*; *proāvus*, *proavia*, &c.; *filius*, *filia*; *puer*, *puella*; *nēpos*, *neptis*, &c.; *vir*, *muller*; *mārītus*, *uxor*; *vitricus*, *nōverca*; *privignus*, *privigna*; *sōcer*, *socrus*; *gēner*, *nūrus*; *frāter*, *sōror*; *pātruus*, *amita*; *āvuncūlus*, *mātertēra*; *verna* (m.), *ancilla* (f.); *antistes*, *antistita*; *hospes*, *hospita*; *cliens*, *clienta*; *tibicen*, *tibicina*; *fidicen*, *fidicina*. So also many (derived from verbs) with *-or* for masculine, and *-rix* for feminine; e.g. *tonsor*, *tonstrix*.

Homo, *animans* (of a rational creature) are masculine; *virgo* and *matrōna*, feminine.

Others (all of 2nd class of nouns) are common: viz. *conjunx*, *pārens*, *affinis*, *patruēlis*, *sēnex*, *jūvēnis*, *ādūlescens*, *infans*. In Ennius and Nævius *puer*, *nēpos*, and *socrus* are common. So are ranked *hospes* (in the poets) and *antistes*. In none of these, except *puer* (when used as f.) and *verna* is the form opposed to the sex.

Other personal appellatives are usually or exclusively masculine, 316 because the offices, occupations, &c., denoted were filled by men, or at least by men as much as by women.

The following are sometimes feminine; *civis*, *municipes*, *con-tubernalis*, *hostis*, *exul*, *vates*, *sacerdos*, *augur* (once or twice), *dux*, *comes*, *satelles*, *custos*, *interpres*, *miles*, *vindex*, *index*, *iudex*, *testis*, *praeses*, *heres*, *artifex*, *auctor*. Others are used of females, but without a feminine adjective; e.g. *opifex*, *carnifex*, *auspex*, *sponsor*, *viator*, *defensor*, *tutor*, *auceps*, *manceps*.

So also some with -a stems (see § 335); *auriga*, *advēna*, &c.

Others are nowhere found applied to females; e.g. *cornicen*, *tibicen*, *tūbicen*; *latro*, *fullo*, *mango*, *nēbūlo*.

Some words which are only metaphorically applied to men or 317 women retain their original gender; e.g. *mancipium* (n.) *a chattel*, *acroama* (n.) *a musical performer*, *scortum* (n.), *prostibulum* (n.); *vigiliae* (f.), *excubiae* (f.), *operae* (f.), *deliciae* (f.); *auxilia* (n.).

2. *Names of Animals.* For some quadrupeds, with which the 318 Romans had much to do, separate forms are found for the male and female. The stems in -o are masc., those in -a fem.

Agnus, *agna*; *aper*, *apra*; *aries* (m.), *vervex* (m.), *ovis* (f.); *asinus*, *asina*; *asellus*, *asella*; *hircus*, *caper*, *capra*; *catus* (m.), *fales* (f.); *cattulus*, *catula*; *cervus*, *cerva*; *columbus*, *columba*; *equus*, *equa*; *gallus*, *gallina*; *hædus*, *capella*; *hinnus*, *hinna*; *juvencus*, *juvenca*; *leo* (m.), *lea*, or (Greek) *laena*; *lupus*, *lupa*; *mulus*, *mula*; *porcus*, *porca*; *simius*, *simia* (also of *apes* in general); *taurus*, *vacca*; *verres*, *scrōfa*; *vitulus*, *vitula*; *ursus*, *ursa*.

(Of these *ovis* is said to have been also used as masc. in old sacrificial language. Varro had the expression *lupus femina*: Cato had *porcus femina*; an old law (ap. Gell. 4. 3. 3) *agnus femina*.)

For most other animals there was only one form; e.g.—

Quadrupeds (besides above); *bidens* (f. *sc. ovis*); *bos* (m. f.); 319 *camēlus* (m. f.); *canis* (m. f.); *damma* (m. f.); *elephans*, *elephantus* (m. rarely f.); *fiber* (m.); *glis* (m.); *hystrix* (f.); *lupus* (m. rarely f.); *lynx* (f. rarely m.); *mus* (m.); *mustella* (f.); *nitella* (f.); *panthēra* (f.); *pardus* (m.); *quadrupes* (m. f. n.); *sorex* (m.); *sus* (m. f.); *talpa* (f. rarely m.); *tigris* (f. rarely m.); *vespertilio* (m.); *vulpes* (f.).

Birds: e.g. *accipiter* (m. rarely f.); *ales* (m. f.); *anas* (f.); *anser* 320 (m. rarely f.); *aquila* (f.); *avis* (f.); *bubo* (m. rarely f.); *ciconia* (f.); *ciris* (f.); *cornix* (f.); *coturnix* (f.); *cygnus* (m.), *olor* (m.); *fulica* and *fulix* (f.); *graculus* (m.); *grus* (f. rarely m.); *hirundo* (f.); *ibis* (f.); *luscinius* (m.), *luscinia* (f. also of *nightingales* in general); *merula* (f.); *milvus*, *milvus* (m.); *noctua* (f.); *osceus*

(m. f.); *pālumbes* (m. f.), *palumbus* (m.); *passer* (m.); *pāvo* (m.); *perdix* (m. f.); *pīca* (f.); *stārnus* (m.); *strūthōcāmēlus* (m. f.); *turdus* (rarely f.); *turtur* (m. f.); *vultur* (m.).

Reptiles: e. g. *anguis* (m. f.); *būfo* (m.); *chamæleon* (m.); ³²¹ *cōlūber* (m.), *colubra* (f. also of *snakes* generally); *crōcōdīlus* (m.); *drāco* (m.); *lācertus* (m.), *lacerta* (f. also of *lizards* generally); *rāna* (f.); *serpens* (m. f.); *stello* (m.); *testūdo* (f.).

Fishes: *ācipenser* (m.); *mūgil* (m.); *mursēna* (f.); *mullus* (m.); *piscis* (m.); *rhombus* (m.); *sālar* (m.); *scārus* (m.); *sōlea* (f.).

Invertebrates: *āpis* (f.); *cicāda* (f.); *ārāneus* (m.), *aranea* (f. also of *spiders* generally); *cīmex* (m.); *cūlex* (m.); *formīca* (f.); *hīrūdo* (f.); *lendes* (pl. f.); *līmax* (f. rarely m.); *mūrex* (m.); *musca* (f.); *pāpilio* (m.); *pēdis* (m. f.); *pūlex* (m.); *sēpia* (f.); *vermis* (m.); *vespa* (f.).

3. Almost all *trees* and *shrubs* are feminine. Some of them ³²² have -o stems (§ 336), but these are mostly from the Greek.

Of *plants* and *flowers*, some are masculine, the rest chiefly feminine.

Names of *fruits* and *woods* are often neuter, with stems in -o, and some *trees* are also neuter, probably because the name was first applied to the product.

The principal masculine names are: *ācanthus*, *āmārācus* (also f.), *asparāgus*, *bōlētus*, *cālāmus*, *carduus*, *crōcus*, *cūtīsus* (also f.), *dūmus*, *ficus* (also f.), *fungus*, *helleborus* (often -um n.), *intūbus* (also *intūbum* n.), *juncus*, *lōtus* (usually f.), *mālus* (but as an *apple tree* f.), *muscus*, *ōleaster*, *pampīnus* (also f.), *raphānus*, *ramnus*, *rūbus*, *rūmex* (also f.), *scīrpus*.

The principal neuter names are *āpium*, *ācer*, *balsānum*, *lāser*, *pāpāver* (also m.), *pīper*, *rōbur*, *sīler*, *sīser* (but in plural *sīseres*), *tūber* (*truffle*): and the *fruits* or *woods* *arbūtum*, *buxum*, &c. (but *castānea*, *ōlea*, *bālānus*, are also used as fruits, and retain their fem. gen. So *buxus* and *buxum* for a *flute*).

4. Names of *jewels* are mainly feminine and Greek.

³²³

Masculine are *ādāmas*, *beryllus*, *carbunculus*, *chrysōlītus* (also f.), *ōnyx* (as a *marble*, or a *cup*), *ōpālus*, *sardōnyx* (also f.), *amāragdus*, &c.

5. Names of *towns*, *countries*, &c. have, if of Latin origin, their ³²⁴ gender marked by their termination; e. g. masculine; *Veīi*, *Puteōli*, properly the *Veians*, &c.: feminine; e. g. *Africa* (sc. *terra*), *Itālia*, *Rōma*: neuter; *Tarentum*, *Bōnōventum*, *Reāte*, *Prāneste*, *Anxur* (n. also m. of the mountain), *Tibur* (n.).

Of Greek nouns many retain their Greek gender (though often with stems in -o), others, owing sometimes to their termination being misunderstood, have other genders: e. g. *Argos* usually neut., but Statius has frequently *patrios Argos*, *afflictos Argos*, &c.; Livy occasionally *Argi*, as nom. pl.

The Spanish towns are sometimes feminine in -*is*, e. g. *Illiturgis*; sometimes neuter in -*i*, e. g. *Illiturgi*.

Some neuter plurals are found; e. g. *Leuoträ*, *Artaxätä*, *Tigrano-certä*.

6. Names of *mountains* are all masculine, except those with ³²⁵ marked feminine terminations (stems in -*a* or Greek -*ē*); e. g. *Ætna*, *Ida*, *Rhōdōpē*, &c.; or neuter terminations (nom. in -*um*, Greek in -*ē*); e. g. *Pēlien*, *Sōractē*. *Alpes* (pl.) is feminine.

7. Names of *rivers* are masculine, even those with -*a* stems, except *Allia*, *Duria*, *Sagra*, *Lēthē*, *Styx*, which are feminine. But sometimes rivers are made neuter by prefixing *flumen* and giving a termination in -*um*; e. g. *flumen Rhenum* (Hor.); *flumen Granicum* (Plin.); &c.

8. Names of *winds* are masculine; e. g. *Æquilo*, *Vulturnus*, &c. So also *Etēsīæ* (pl.).

All *indeclinable* words are neuter: e. g. *fas*, *nefas*, *instar* (except ³²⁶ barbaric names, e. g. *Abraham*); and to this class belong infinitives (e. g. *non dolere istud*, *totum hoc philosophari*); words used as names of themselves (e. g. *istuc* 'taceo,' *hoc ipsum* 'honesti'); and often the letters of the alphabet (as 'c in g commutato'); but these last are sometimes feminine, *littera* being expressed or understood.

CHAPTER III.

OF NOUN INFLEXIONS OF NUMBER.

IN Latin the only distinction in point of number which is ³²⁷ marked by inflexions is between one (*singular* number), and more than one (*plural* number).

The particular inflexions of number will be best treated in connexion with the case inflexions.

Some nouns, in consequence of their meaning, have no plural, others have no singular.

1. The following have ordinarily no plural :

(a) *Proper names of persons and places* ; e.g. **Metellus**, **Roma**, &c.; ³²⁸ but **Metelli** of several members of the family; **Camilli** of persons with qualities like **Camillus** : **Galliæ**, of the two divisions of Gaul, **Gallia Cisalpina** and **Transalpina** ; **Volcani** of *gods* with different attributes, or bearing the name of **Vulcan**, or of statues of **Vulcan**, &c.

(b) *Single natural objects* ; e.g. **sol**, *the sun* ; **tellus**, *the earth* ; but **soles** is used in discussions as to whether there are more *suns* than one, or as equivalent to *days*, &c.

(c) *Continua* ; i.e. natural objects which are measured or weighed, not numbered, e.g. **crux**, *blood* ; **ros**, *dew* ; **æs**, *bronze* ; **frumentum**, *corn* ; **fāba**, *beans*, as a class ; **fumus**, *smoke*. But these are used in the plural, when several *kinds*, or distinct *pieces* or *drops*, are meant ; e.g. **vīna**, *different wines* ; **nives**, *flukes of snow* ; **fābæ**, *individual beans* ; **æra**, *bronze works of art* ; **carnes**, *pieces of flesh* ; **fumi**, *wreaths of smoke*. In poetry the plural is sometimes used without such a distinction.

(d) *Abstract nouns* ; e.g. **justitia**, *justice* ; but not uncommonly the plural is used even in these in order to express the occurrence of the event or exhibition of the quality at several times or in several forms, e.g. **virtutes**, *virtues* ; **cupiditates**, *desires* ; **odia**, *cases of hatred* ; **conscientiæ**, *several persons' consciousness (of guilt)* ; **mortes**, *deaths (of several persons)* ; **otia**, *periods of rest* ; **adventus**, *arrivals* ; **maturitates**, *culminations* ; **vicinitates**, *position of people as neighbours* ; **lapsus**, *slips* ; **calores**, **frigora**, *times of heat, of cold* ; **similitudines**, *resemblances* ; &c.

2. The following are found only or ordinarily in the plural ; ³²⁹ though some of them correspond to what in other languages are denoted by singulars.

(a) *Names of certain towns or places*, &c. : **Thebæ**, **Tigranocerta**, **Leuctra**, **Vejl** (originally the *Veians*), **Cannæ** (i.e. *Reeds*) : **Gades**, **Cumæ**. So **Pergama**, *the towers of Troy*, **Tartara**.

(b) *Groups of islands and mountains*, &c. ; e.g. **Cyclādes**, **Alpes**, **Esquillæ**, **Tempe** (properly *glens*).

(c) *Bodies of persons* : e.g. **decemviri**, *a commission of ten* (though we have **decemvir** also used of *a commissioner*) &c. ; **majōres**, *ancestors* ; **prōcēres**, **primores**, *leading men* ; **libēri**, *children* ; **infēri**, *the spirits below* ; **supēri**, *the Gods above* ; **cælites**, *the heavenly ones* ; **penātes**, *the hearth gods* ; **manes**, *the ghosts* ; **gratiæ**, *the Graces* ; **Furiæ**, *the Furies* ; **Dire**, *Curses* (conceived as goddesses) ; &c.

(d) *Parts of the body*; e.g. *artus*, the joints; *cervices* (before Hortensius), the neck (neckbones?); *exta*, intestina, viscera, the internal organs; *fauces*, the throat; *lactes*, the lacteal vessels; *pantices*, bowels; *rēnes*, kidneys; *tōri*, the muscles; *præcordia*, midriff; *līa*, loins.

(e) *Names of feasts or days*; e.g. *Calendæ*, *Nōnæ*, *Idus*; *fēriæ*,³³⁰ the feast-day; *nundinæ*, market-day; *Baccānālia*, feast of Bacchus; &c.

(f) *Other collections of things, actions, &c.*; *altāria*, an altar; *ambāges*, evasion (but § 415); *angustīæ*, straits (sing. rare); *argūtīæ*, subtlety; *antes*, rows, e.g. of vines; *arma*, tools, esp. weapons, armour; *armamenta*, ship's tackling; *balneæ*, the baths, i.e. bath-house; *bīgæ*, a carriage and pair (sing. not till Sen.); *cancelli*, railings; *casses*, a hunting net (properly meshes, cf. § 432); *castra*, a camp (properly butts, tents? *castrum* is found only as part of proper names, e.g. *Castrum Novum*); *clathri*, a grating; *claustra*, bars (sing. in Sen. Curt. rarely); *clitellæ*, a pack saddle (panniers?); *compēdes*, fetters (but § 446); *crepundia*, child's rattle, &c.; *cūnæ*, *cūnābūla*, *incūnābūla*, cradle; *dēlicīæ*, delight; *divitīæ*, riches; *excūbiæ*, the watch; *ēpūla*, a dinner; *exsēquīæ*, funeral procession; *exūviæ*, things stripped off, spoils; *facētīæ*, jokes (sing. rare); *fālæ*, scaffolding; *fasti*, the Calendar; *fōri*, benches; *frāces*, oil dregs; *grātes*, thanks (§ 418); *indūtīæ*, a truce; *ineptīæ*, silliness (sing. in Plaut. Ter.); *infēriæ*, offerings to the shades below; *infītiæ*, denial (cf. § 369); *insidiæ*, ambush; *inimicitīæ*, hostility (rarely sing.); *lāpīcidīnæ*, stone quarries; *lōcūli*, compartments, and so box, bag, &c.; *lustra*, a den; *mānūbiæ*, booty; *mīnæ*, threats; *moenia*, town walls; *nūgæ*, trifles; *nuptīæ*, marriage; *obīces*, bolts (but § 439); *pārietīnæ*, ruins; *phālēræ*, horse trappings; *præstīgiæ*, juggling tricks; *præces*, prayers (but § 438); *prīmītiæ*, first fruits; *pugillāres*, writing tablets; *quadrīgæ*, a carriage and four (sing. not till Propert.); *quisquillæ*, refuse; *reliquiæ*, the remains; *rēpāgula*, bolts, &c.; *salīnæ*, saltpits; *sāta*, the crops; *scālæ*, stairs; *scōpæ*, a broom; *sentēs*, thornbush; *serta*, a wreath; *sordes*, filth (sing. rare § 421); *suppētīæ*, supply (cf. § 369); *tēnēbræ*, the darkness; *thermæ*, the warm baths (cf. *balneæ*); *tesquæ*, wastes; *valvæ*, folding-doors; *vepres*, thorns (but cf. § 430); *vindīciæ*, claims; *virgulta*, bushes; *ūtensīlia*, necessities.

Some of these words are used in one or two cases of the singular. See the references.

3. The following words are used in the plural with a special³³¹ meaning, besides their use (in most instances) as an ordinary plural:

ædes sing. a temple, plur. a house (properly, hearths, chambers?); *āqua*, water; *aquæ*, a watering-place; *auxilium*, assistance; *auxilia*, means of assistance, auxiliary troops; *bōnum*, a good; *bōna*, goods,

i.e. *one's property*: *carcer*, a prison; *careères*, the barriers (in horse races): *cōdicillus*, a small piece of wood; *cōdicilli*, writing tablets: *cōpia*, plenty; *cōpiæ*, supplies, troops: *cōmītium*, the place of tribes-assembly at Rome; *cōmītia*, the assembly: *fides* sing. a harpstring, plur. a stringed instrument: *fortūna*, fortune; *fortunæ*, one's possessions: *grātia*, thankfulness; *grātia*, *grātes*, thanks: *hortus*, a garden; *horti*, pleasure-gardens, a country house: *impēdimentum*, a hindrance; *impedimenta*, baggage: *littera*, a letter (of the alphabet); *litteræ*, a letter, i.e. epistle: *lūdus*, a game; *lūdi*, Public Games: *nātālis*, a birthday; *nātāles*, one's descent: *ōpera*, work; *operæ*, workmen: *Ops*, a goddess; *opem*, help; *ōpes*, wealth, resources: *pars*, a part; *partes*, a part on the stage: *rostrum*, a beak; *rostra*, the tribune or pulpit at Rome: *tābula*, a plank; *tābulæ*, account books.

CHAPTER IV.

OF CASE INFLEXIONS IN GENERAL.

IN Latin the distinctions of case are in the singular five, the 332 cases being named *nominative*, *accusative*, *genitive*, *dative*, *ablative*. In some nouns with stems in -o, besides others derived from the Greek, a sixth form, (not properly a *case*, cf. § 1007), generally called the *vocative* is also found.

In the plural there are only four; viz. *nominative*, *accusative*, *genitive*, and a common form for the *dative* and *ablative*.

Another case, distinguished in some other languages, called the *locative*, is in Latin always the same in form, as either the *genitive*, *dative*, or *ablative*.

A similar confusion of forms is found between some of the other cases in some classes of nouns. Originally perhaps there was a different form for each case in each number.

Nouns and pronouns, whether substantival or adjectival, may 333 be conveniently divided according to their case inflexions (called collectively their *declension*) into two great classes, containing respectively—

I. Nouns with stems ending in -a, -e, or -o.

II. Nouns with stems ending in -u, -i, or a consonant.

All the pronouns, except personal pronouns, belong to the first class, though a few have kindred forms belonging to the second class.

The personal pronouns belong strictly to neither class. They will be treated of as an appendix to the first class.

The chief constant differences between the inflexions of the two classes are these :—

Nouns of the first class have the genitive singular (except in the pronouns), the locative singular, and the nominative plural (except in a few *-e* stems) alike, and ending in a long vowel or diphthong; the genitive plural in *-rum* preceded by a long vowel; the dative and ablative plural (except in two *-e* stems) in *-is*.

Nouns of the second class have the genitive singular and nominative plural ending in *-s*, the locative usually the same as the ablative, the genitive plural in *-um*, the dat. abl. plural in *-bus* (usually *-ibus*).

Some of these differences were not found in the older language. See Chapters VI. and XII.

[The ordinary division of nouns substantive was into five ³³⁴ declensions. Of these the 1st contained *-a* stems (§ 339); the 2nd, *-o* stems (§ 344 sqq.); the 3rd, consonant (Chap. XI.) and *-i* stems (Chap. X.); the 4th, *-u* stems (Chap. IX.); and the 5th, *-e* stems (§ 340). Adjectives were divided into those of three terminations, *-us*, *-a*, *-um* (§§ 339, 344); those of two terminations, *-is*, *-e* (Chap. X.), and *-or*, *-us* (§ 460); and those of one termination, e.g. *felix* (Chaps. X. XI.)].

Examples of the regular declensions of the different subordinate classes will be given in the next chapter. Any peculiar forms of inflexion which existed will be found in Chapters VI. and XII., or appended to the mention of the particular word to which they relate. *Also consult Chap. XII., X*

CHAPTER V.

NOUNS OF CLASS I.

I. GENDER.

As regards the gender of nouns of this class, with comparatively ³³⁵ few exceptions, (1) all masculine and neuter nouns have stems in *-o*; (2) all feminine nouns have stems in *-a*, or *-e*.

The exceptions are as follows:

1. Some stems in *-ā* are masculine; e.g. appellative substantives expressing occupations in which men are exclusively or primarily thought of, viz. *accōla*, *agricōla*, *incōla*; *assecla*, *advēna*, *convēna*; *aurīga*, *collēga*, *convīva*, *gumia*, *lanista*, *lixa*, *matricīda*, *parricīda*, *profūga*, *transfūga*, *pōpa*, *rabūla*, *scriba*, *scurra*, *verna*. And the same termination was given to Greek words in *-ης*, e.g. *nauta*, *poēta*, *Persa*, *Scytha* (see § 475).

Damma is also sometimes masc.: *talpa* rarely so (§ 319).

So also almost all rivers (§ 325): e.g. *Sequāna*, *Trēbia*, &c, and *Hadria* (the Hadriatic sea).

A considerable number of proper names, e.g. *Numa*, *Lāmia*, *Ahāla*, *Pansa*, *Sulla*, *Galba*, *Natta*, *Tucca*, *Nasica*, *Perpenna*, *Cinna*, *Mela*, *Messalla*, *Poplicōla*. So also some feminine appellatives were used as family names of men, e.g. *Rūga*, *Scapūla*, *Sūra*, *Fimbria*, *Merula*, *Pica*, *Musca*, *Murēna*, *Dolabella*, *Fenestella*, *Hēmīna*, *Trābea*.

2. Some words with *-o* stems are feminine. These are chiefly either names of trees or Greek words, especially names of jewels and towns.

(a) *alvus* (in old language m.); *carbāsus*, *cōlus* (sometimes m.), *hūmus*, *vannus*. For *dōmus* see § 394.

(b) Names of trees: *æsculus*, *alnus*, *arbūtus*, *buxus*, *cedrus*, *cērāsus*, *cītrus*, *cornus*, *cōrūlus*, *cupressus*, *cytīsus* (also m.), *ēbēnus*, *fāgus*, *fāsēlus*, *ficus* (rarely m.), *fraxīnus*, *jūnīpērus*, *laurus*, *lōtus* (rarely m.), *mālus* (*apple-tree*), *mōrus*, *myrtus*, *nardus*, *ornus*, *pāpȳrus*, *pīnus*, *pīrus*, *plātānus*, *pōmus*, *pōpūlus*, *prūnus*, *quercus*, *sabūcus*, *sorbus*, *spīnus*, *ulmus*. Also *bālānus*, *acorn*.

(c) Jewels: e.g. *amethystus*, *crystallus*, *sapphīrus*, *topazus*, *melichrysos*.

(d) Towns, &c.; *Abȳdus*, *Ægyptus*, *Aspendus*, *Carystus*, *Chersonēsus*, *Cyprus*, *Epīdamnus*, *Epīdaurus*, *Epīrus*, *Pēlōponnēsus*, *Rhōdus*, &c.; but *Canōpus* (m.), *Isthmus* (m.), *Orchōmēnus* (m.), *Pontus* (m.). So also *Dēlos*, *Lemnos*, &c. are feminine.

(e) For Greek appellatives, e.g. *ātōmus*, *mēthōdus*, &c., see § 478.

3. Of nouns in *-es* only *dies* and *mēridies* are masculine. *dies* however is in the singular number often feminine, especially as *an appointed day*, and almost exclusively fem. when it means *time*, *period of time*.

All neuters (except some pronouns, § 370) have nom. acc. sing. in *-um*: except *vīrus*, *vulgus* (in acc. often *vulgum*), and the Greek *pelāgus*, plur. *pelagē*. (*Vīrus* and *vulgus* have no plural. The authority for *vulgus* as masc. seems insufficient.)

II. INFLEXIONS OF CASE.

The suffixes for the different cases are usually combined with 339 the final vowel of the stem, so as not always to be readily distinguishable.

1. Declension of stems in -a and -e.

1. The substantive stems in -a (chiefly feminine), and the feminine form of those adjectives which have stems in -o, are declined alike; e.g. *mēsa* (f.), *a table*; *scriba* (m.), *a clerk*; *bōna* (adj. f.), *good*; *tēnēra* (adj. f.), *tender*. There are no neuters of this declension.

2. Stems in -ē of this class (comp. § 407) are all substantives 340 and all feminine: one (*dies*) is also masculine. All but a few have stems in -īe with a short antepenultimate, and most are words of more than three syllables.

They are as follows: *dies*, *fāmes* (also *famis*), *fīdes*, *plēbes* (also *plebs*), *res*, *spes*, and (in ablative sing. only) *scabrē*, *squale*;

ācies, *allūvies* (with other derivatives of *lāvo*), *barbāries*, *cāsāries*, *cāries*, *congēries*, *effigies*, *ēsūries*, *fācies*, *glācies*, *inglūvies*, *luxūries*, *macēries*, *mācies*, *mātēries*, *mūries* (only nom. s.), *paupēries*, *perniciēs* (? *permities*, Munro, *ad Lucr.* I. 451), *prōgēnies*, *rābies*, *rēqvies* (also with stem in -ēt, § 445), *sānies*, *scābies*, *sēries*, *spēcies*, *sūperficiēs*, *tempēries*, and its compound *intempēries*;

and abstract substantives in -īties, viz. *āmārities*, *āmīcties*, *āvārities*, *calvities*, *cānities*, *dūrities*, *lentities*, *mollities*, *mundities*, *nēqvities*, *nīgrities*, *nōtities*, *pīgrities*, *plānities*, *pullities*, *segnities*, *spurcities*, *tristities*, *vastities*.

Only two of these words, viz. *res* and *dies*, are inflected through- 341 out all cases of both numbers. None (besides *dies* and *res*) have any plural, except *acies*, *facies*, *effigies*, *species*, *spes*, *series*, which are found in the nominative and accusative plural; *glacies* in accus. (Verg.), *eluvies* in nom. (Curt.). But old forms of *spes*, viz. *speres*, nom. acc. plur., *speribus*, dat. abl. plur., are mentioned as used by Ennius and Varro respectively¹. *Facierum* is quoted from Cato. *Specierum*, *speciebus* occur in the Digest, &c

¹ The stem appears to have been *spes-*: compare *spēr-o*. So also perhaps *dies-*; comp. *diur-nus*. See also § 405.

The genitive and dative singular are rare¹, except from *dies*, 342 *res*, *spes*, *fides*, and *plebes*.

These cases appear to have ended regularly in *-ei* in and after the second century after Christ at latest (Gell. IX. 14), but whether *ei* was usually one syllable or two is uncertain. Probably it was a diphthong. Before that time *ei* is proved to be sometimes dissyllabic, but in the words *diēi*, *fidēi* and *fidēi*, *rēi* and *rēi* only. See §§ 357, 360.

Luxuries, *materies*, *barbaries*, *intempēries*, *effigies*, and almost all the words in *-ities*, have collateral stems in *-a* (cf. § 932), and these supply the forms generally used in the genitive and dative singular.

Examples: *mensa*, *a table*; *bona* (adj.), *good*; *luxuria*, *luxury*; 343 *res*, *a thing*; *acies*, *a point*. All feminine.

Stems in -a.		Stems in -a and -e.		Stems in -e.	
SINGULAR. Subst.	Adj.	Subst.	Subst.	Subst.	Subst.
Nom. <i>mensā</i>	<i>bōnā</i>	<i>luxuriā</i> or <i>luxuriē-s</i>	<i>rē-s</i>	<i>āciē-s</i>	
Acc. <i>mensa-m</i>	<i>bona-m</i>	<i>luxuria-m</i> or <i>luxurie-m</i>	<i>rē-m</i>	<i>ācie-m</i>	
Gen. } <i>mensæ</i>	<i>bonæ</i>	<i>luxuriæ</i>	<i>rē-i</i>	<i>āci</i> or <i>āciē</i>	
Loc. } <i>mensæ</i>	<i>bonæ</i>				
Dat. } <i>mensæ</i>	<i>bonæ</i>				
Abl. <i>mensā</i>	<i>bōnā</i>	<i>luxuriā</i> or <i>luxuriē</i>	<i>rē</i>	<i>āciē</i>	
PLURAL.					
Nom. <i>mensæ</i>	<i>bonæ</i>	(Plural not used)	<i>rē-s</i>	<i>āciē-s</i>	
Acc. <i>mensā-s</i>	<i>bona-s</i>				
Gen. <i>mensā-rum</i>	<i>bōnā-rum</i>		<i>rē-rum</i>	(none)	
Loc. } <i>mensi-s</i>	<i>boni-s</i>		<i>rē-bus</i>	(none)	
Dat. } <i>mensi-s</i>	<i>boni-s</i>				
Abl. } <i>mensi-s</i>	<i>boni-s</i>				

2. Ordinary declension of -o stems.

The following is the regular declension of substantives with 344 stems ending in *-o*, and of adjectives, with the like stems, in the masculine and neuter gender.

e.g. *ānīmūs* (m.), *a soul*; *bellum* (n.), *war*; *bōnus* (adj.), *good*.

¹ Quintilian says (I. 6, § 26), "Nec plurimum refert, nulla hæc an prædura sint. Nam quid 'progenies' genetivo singulari, quid plurali 'spes' faciet?"

	Masculine		Neuter	
SINGULAR.	Subst.	Adj.	Subst.	Adj.
Nom.	ānīmū-s	bōnu-s	bellu-m	bōnu-m
Voc.	ānīmē	bōn-ē		
Acc.	ānīmū-m	bōnu-m		
Gen. }	ānīmī	bōnī	bellī	bōnī
Loc. }				
Dat. }				
Abl. }	ānīmō	bōnō	bellō	bōnō
PLURAL.				
Nom.	ānīmī	bōnī	bellā	bōnā
Acc.	ānīmō-s	bōnō-s		
Gen.	ānīmō-rum	bōnō-rum	bellō-rum	bōnō-rum
Loc. }	ānīmī-s	bōnī-s	bellī-s	bōnī-s
Dat. }				
Abl. }				

The vocative masc. sing. of *meus*, *mine*, is *mī*. *Deus*, *god*, had 345
voc. *Deus*; nom. plur. *dī*; dat. abl. *dīs*; but *dei* and *deīs* are not
infrequent in Ovid and later poets, and even in some MSS. of Varro
and Cicero.

3. Declension of stems in -ro.

Of stems in -*ōro*, (a) most drop the final -*us* of the nominative 346
singular, and -*o* of the vocative; and (b) many omit the *o* before *r*
in all the cases except the nom. voc. masculine singular.

(a) The following only exhibit -*us* in the nominative singular:
nūmērus, *ūmērus* (or *humerus*), *ūtērus*, and (the single fem. stem
in -*ōro*), *jūnīpērus*, and the adjectives *prōpērus*, *præprōpērus*,
præposterūs, *mōrigērus*, *trīquetrus*, and usually *prospērus*. The
nominative masculine singular of the adjectives *cētērum*, *postērum*,
lūdicrum, *crēpērum* is not found.

(Adjectives with long *ō* in penultimate (e.g. *sēvērus*), and some
Greek forms, e.g. *Evandrus*, *Petrus*, exhibit -*us*. But *Ibēri* and
Celtibēri have for singular *Ibēr* and *Celtibēr*, but only once each.)

Vir, *a man*, and its compounds, e.g. *triumvir*, *semivir* (adj.), and
the adjective *sātūr* (*sātūrā*, *sātūrum*), also drop -*us*. Lucretius
once uses *fāmūl* for *fāmūlus*.

Puere is frequently found in Plautus as the vocative of *puer*. 347

(b) The following only retain *o* before *r*; viz.—

(1) All those which retain -*us* in the nominative singular,

(2) **Adulter**, **söcer**, **gëner**, **Liber** (*the god Bacchus*), **puer**, **vesper** (*evening star*), **jugerum** (which last in plural belongs to 2nd Class);

(3) The adjectives **asper** (**aspris**, abl. plur. once in Vergil), **läcer**, **lber**, **miser**, **tëner**, **gibber**, **alter**; and **ceterum**, **posterum**, **creperum** (above named). Also **exter** (Papin.), **infer** (Cato), **super** (Cato), chiefly used in plural;

Dexter has both forms; e.g. **dexteram**, **dextram**. (The comparative of **dexter** is always **dexterior**. So also **deterior**.)

(4) Compounds of more than two syllables ending in **-fer** or **-ger**; e.g. **mortifer**, **äliger**, &c.

The following are the principal substantives which omit **e**; **äger**, 343 **äper**, **ärbiter**, **auster**, **cancer**, **cäper**, **cölüber**, **cultur**, **fäber**, **lber** (*book*), **mägister**, **mīnister**. The neuters are chiefly in **-brum**, **-trum**, **-crum**, see in Book III. The adjectives omitting **e** are: **aeger**, **äter**, **crëber**, (**dexter**, § 347,) **gläber**, **mäcer**, **niger**, **piger**, **impliger**, **intëger**, **lūdīcrum**, **pulcher**, **rüber**, **säcer**, **scäber**, **sīnister** (in comparative always **sinisterior**), **tæter**, **väfer**: also **Afer**, **Cäläber**.

Examples: **puer** (m.), *a boy*; **vīr** (m.), *a man*; **fäber** (m.), 349 *a workman*; **membrum** (n.), *a limb*.

SINGULAR.		Masculine			Neuter
Nom.	}	puër	vīr	fäbër	}
Voc.					
Acc.		puëru-m	vīru-m	fäbru-m	membru-m
Gen.	}	puëri	vīri	fäbri	membrī
Loc.					
Dat.	}	puërō	vīrō	fäbrō	membro
Voc.					
PLURAL.					
Nom.		puëri	vīri	fäbri	}
Acc.					
Gen.		puërō-rum	vīrō-rum	fabrō-rum	membrō-rum
			(and vīru-m)	(and fabru-m)	
Loc.	}	pueri-s	vīri-s	fäbri-s	membrī-s
Dat.					
Abl.					

On **-um** in the genitive plural of **vir** and **faber** see § 365.

4. Præ-Augustan declension of stems in **-uo** (i.e. either **-uo**, **-vo**, or **-qvo**).

The older language, as shown especially by inscriptions not 350 later than cir. 520 B.C., retained the final **-o** of the stem in the nominative and accusative cases singular; e.g. **filios**, **primos**,

Lūciom, donom. Though this -o was changed to -u generally (§ 213), yet the stems in which it was preceded by **v** or **u** or **qu** retained it until the Augustan age and later (Quintil. i. 7. 26). The change was however made in these stems also in the course of the 1st century after Christ. In words like **ēqvūs** the concurrence of **u** with **u** was also avoided by writing **ēqūs**, or **ēcūs**.

e.g. **ēqvōs** or **ēcūs** (m.), *a horse*; **ævom** (n.), *an age*; **arduōs** (adj.), *lofty*.

Masculine			Neuter	
SINGULAR.	Subst.	Adj.	Subst.	Adj.
Nom. }	ēqvō-s or ēcū-s	arduō-s	ævo-m	arduō-m
Voc. }	ēqvē	arduē		
Acc. }	ēqvo-m or ēcū-m	arduō-m		
Gen. }	ēqvī	arduī	ævi	arduī
Loc. }				
Dat. }				
Abl. }	ēqvō	arduō	ævō	arduō
PLURAL.				
Nom.	ēqvī	arduī	ævā	arduā
Acc.	ēqvō-s	arduō-s		
Gen.	ēqvō-rum	arduō-rum	ævō-rum	arduō-rum
Loc. }				
Dat. }	ēqvī-s	arduī-s	ævī-s	arduī-s
Abl. }				

5. Augustan and Præ-Augustan declension of stems in -io.

In the Augustan and præ-Augustan period substantives with 351 stems ending in -io formed the genitive singular in -i single. So always in the scenic poets, in Lucretius, Vergil, Horace; also in Persius and Manilius. The genitive of trisyllabic words with a short antepenultimate (e.g. **glādius**, **fōllum**), appears to have been generally avoided by these poets; but **prēti**, **vīti** (from **prētium** and **vītium**) occur. Propertius, Ovid, Lucan, and the later poets, used the full form in -ii; e.g. **Mercūrii**, **exsili**, **vīti**; but in proper names the contracted form continued to be most common; e.g. **Antoni**, **Capitōli**, **Terenti**, **Livi**. In inscriptions -ii appears from the end of Augustus' reign, and with increasing frequency after Nero's reign, though -i is also found to the end of the 3rd century after Christ and probably longer (Ritschl. *Opusc.* II. 779).

The vocative sing. masc. of these stems also ended in -i (not -io), 352 e.g. **Publi**. But the vocative is found only in proper names and in the words **gēnius**, **filius**, **vultūrius** (cf. Gell. 14. 5). The nominative plural rarely had ii contracted into i. The dative ablative plural had sometimes, especially in neuters, -is for -iis. (See § 367.)

Adjectives always had *-ti* in genitive. Only those derived from Greek proper names had a distinct form for vocative; e.g. *Cynthio*, *Dellie*.

In stems ending in *-aio*, *-eio* the *i* both formed a diphthong with the preceding vowel, and also was pronounced as English *y* before a following vowel. (For some exceptions see § 139.) Hence Cicero wrote the *i* double, *-aio*, *-eio*; but this spelling is not now found in the MSS. or in republican inscriptions.

Substantives.				Adjectives. 353
SINGULAR.	masc.	masc.	neut.	masc.
Nom.	Claudius	Pompējus	consilium	ēgrēgius
Voc.	Claudī	Pompēi and Pompēi		
Acc.	Claudium	Pompējum		egrēgium
Gen. }	Claudi	Pompēi	consili	ēgrēgi
Loc. }				
Dat. }	Claudiō	Pompējo	consilio	ēgrēgio
Abl. }				
PLURAL.				
Nom.	Claudī	Pompēi	consilia	ēgrēgia
Acc.	Claudios	Pompējos		
Gen.	Claudīō-rum	Pompējōrum	consiliōrum	ēgrēgiōrum
Loc. }	Claudiis	Pompēis	consiliis or consilis	ēgrēgis
Dat. }				
Abl. }				

CHAPTER VI.

OLD AND EXCEPTIONAL FORMS OF CASES. (CLASS I.)

1 Singular Number.

NOMINATIVE: *Stems in -o.* On the faint sound of final *s* and *m* 354 which led to their omission even in the older language, see §§ 193, 5. 86. Old inscriptions give such forms as *Acilio*, *Fourio*, *Fabrecio*, *pocolo* (for *Acilius*, *Furius*, *Fabricius*, *poculum*). The nominative sing. of proper names with stems in *-io* are frequently written in old inscriptions without the final syllable; e.g. *Claudī*, *Valerī*, *Minuci* (for *Claudius*, &c). This may be merely an abbreviation, due as Ritschl supposes, to a once collateral nominative in *-is*; e.g. *Cornelis*. Compare *alis*, *alius* § 373.

ACCUSATIVE: For the omission of the final *m*, see § 86. 355

Stems in -e. Quintilian (IX. 4. 39) speaks of *dīe hanc* (if text be right) being found in Cato the censor's writings, "*m littera in -e mollita*".

GENITIVE: 1. *Stems in -a.* Instances of the ordinary genitive 356 in *-ae* are very rare in inscriptions before the time of the Gracchi.

Three old forms of the genitive singular are found, viz. *-aes*, *-ai* and *-as*.

(a) The ending *-aes* occurs frequently in inscriptions after Sulla's time, but chiefly on tombs of freedwomen and slaves, and rarely in other than proper names; e.g. *Juliaes*, *Dianaes*, *Anniaes*, *Faustinaes*, *dominaes*, *vernaes*. Some hold it to be intended for the Greek genitive in *-ης*. Ritschl (comparing a single *Prosepnais* from the 6th century U.C.) holds it to be a genuine old Latin form, and possibly used by Plautus (*Neue Plaut. Exc.* I. p. 115).

(b) Of the ending *-as* examples are given from Livius Andronicus, *escas*, *monetas*, *Latonas*; from Nævius, *terras*, *fortunas*; and from Ennius, *vias*. Some so take *molas* in Plaut. *Pseud.* 1100. This form is preserved in one word at all periods, viz. *familia*, when combined with *pater*, *mater*, *filius*, *filia*; e.g. *paterfamilias* (Cato, Cic.), *a father of a household*. *Pater*, &c. *familiae* (Cic., Liv.) is also used. In the plural we find both *patres*, &c. *-familiae* (Varr., Cæs., Liv.), *-familias* (Varr., Cic.), *-familiarum* (Cic., Sall.), *fathers &c. of households*.

(c) The ending *-ai* (originally the locative according to Madvig) is more common and earlier, and in Plautus and hexameter verse (retaining probably the old pronunciation) is treated as a spondee (*-āī*). It is frequent in Lucretius, and is also used by Cicero in his poetry, and by Vergil in four words, *aqual*, *aulai*, *aurai*, *pictai*. Republican inscriptions give, e.g. *Duelonai* (i.e. *Bellonae*), *Glabrai*, *eius rei quaerundai et faciundai causa*, *calcis restinctai*, &c.

2. *Stems in -e.* Four forms of the genitive-ending are found, 357 viz. *ēs*; *ei*; *ē*; *i*. (See Gell. 9. 14).

(a) *-es*; viz. *Dies*, Enn. *A.* 401, Verg. *G.* I. 208 (*dīe*, Ribbeck), Cic. *Sest.* 12. § 28; *rables*, Lucr. IV. 1083; *facies*, Claud. *Quadrig.* (in Sulla's time); *fides*, see below *b*; *perniciēs*, said to have been written by Cicero.

(b) *-ei*; viz. *dīei*, frequent in prose; *dīēī*, Lucr. (often), Verg. *A.* IV. 156, Hor. *S.* I. 8. 35, Phædr. II. 8. 10, Ter. *Haut.* 168, 212, Plaut.; *dīēī*, Ter. *Eun.* 801; *rei*, always in Republican inscriptions; *rēī*, Plaut. *Mil. G.* 103, *magnai rei publicai gratia*; Lucr. II. 112,

548; *rēi*, Plaut., Ter., Hor.; *rēi*, Plaut., Ter., Lucil., Lucr.; *fidēi*, frequent in prose; *fidēi*, Enn. *Ann.* 342, Plaut. *Aul.* 121, 575, Lucr. v. 102; *fidēi*, Manil. II. 605, 627, Sil. (four times); *fidēi* (*fides* Wagner), Plaut. *Aul.* 609; *spēi*, frequent in prose; *spēi*, Ter. always; *plebēi* (especially in phrases *tribunus plebēi*, *plebēiscitum*, &c.) frequent: *actēi*, *Bell. Afr.* 59 and 60. *Mundiciēi*, *Inscr.* 136, A.D. (cf. Corssen. *Aussp.* I. 54, ed. 2).

(c) -ē; viz. *dīe*, in several places (in some mss.) of Cæs., Sall., Liv., also Plaut. *Pseud.* 1158; Sen. *Cons. Marc.* 18. 2; compare also *postridīe*, &c.; *rē*, Cæs., Liv. in some mss.; *fidē*, Poet. ap. C. *Off.* 3. 26; Planc. ap. Cic. *Fam.* 10. 17; Hor. *C.* 3. 7. 4; Ovid. *Met.* III. 341, VI. 506, VII. 728, 737, &c.; *actē*, Sall.; *factē*, Lucil., Plaut. *Mil. G.* 1172; *requē*, Sall.; *scabē*, Lucil. "C. Cæsar in libro de analogia secundo hujus die et hujus specie dicendum putat," Gell. 9. 14.

(d) -ī; viz. *dīi*, Verg. *A.* 1. 636; *plebī*, frequent in phrases above quoted; *actī*, Cn. Matius; *perniciī*, Cic. *Rosc. Am.* 45, Sisenna; *specī*, Cn. Matius; *progenī*, Pacuvius; *luxuriī*, C. Gracchus; *famiī*, Lucil., Cato; *fidī*, Augustan legal inscription (*Corp. I. L.* II. 5042).

3. *Stems in -o.* The oldest form was perhaps -oe; e.g. *poploe*.³⁵⁸ But the inscriptions to the time of the third Punic war give only *i*; e.g. *Barbatī*, *urbanī*; after that time, till Augustus, -ei is also frequently found; e.g. *populei*, *cogendēi*, *suei*, *ostiei*, *pagēi*, *Marcei*, *Vergilei*; but not so frequently in laws as -ī. In Augustus' time -ei went out of use (§§ 265—268). Lucilius wished to establish the distinction of -ī for the gen. sing.; -ei for nom. plur.

The locative has the same form as the genitive and was not improbably identical with it.

DATIVE: 1. *Stems in -a.* Early republican and other inscriptions have not unfrequently -ai. The disyllabic *ai* is not found in the dative in any poet.³⁵⁹

Forms like *Fortune*, *Diane* in very old inscriptions are probably imitations of Greek.

2. *Stems in -e.* Three forms of the dative are found; -ei, ē³⁶⁰ and ī.

(a) -ei; viz. *diei*, often; *rēi*, Lucr. I. 688, II. 236; *rēi*, *Corp. I. L.* 201, also (at beginning of verse) Ter. *Ad.* 95; *rēi*, Hor. *C.* 3. 24. 64; *rēi*, Enn. *Trag.* 361; Plaut., Ter., Lucil.; *fidēi*, often in prose; *fidēi*, Enn. *Ann.* 111 ('*fide*, Vahlen); Ter. *And.* 296, *Eun.* 886, 898 (ed. Umpfenbach); comp. Plaut. *Trin.* 117, 128; *fidēi*, Manil. 3. 107, Sil. 2. 561; *plebēi*, Plin. *H. N.* 19. 4. 19, § 54, 18. 3. 4; *actēi*, Cæs. *Civ.* III. 89, ib. 93; *perniciēi*, Nep. 12. 4.

(b) -ē; viz. *diē*, Plaut.; *re*, Plaut. *Trin.* 635, 657; *ide*, *Corp. I. R. I.* 170, Plaut. *Aul.* 659, *Amph.* 391, *Pers.* 193; comp. *Trin.* 117, 128, 142, Hor. *S. I.* 3. 95; *perniciē*, Liv. 5. 13, § 5; *faciē*, Lucil. "In casu dandi qui purissime locuti sunt, non 'faciei' uti nunc dicitur sed 'faciē' dixerunt," Gell. 9. 14.

(c) -ī; viz. *perniciī*, Nep. 8. 2; *fami*, Plaut. *Stich.* 158; *faciī* (cf. Gell. 9. 14); *īdi*, Fast. Coll. Arval. *ad Kal. Oct.*

3. *Stems in -o*. The oldest form was -oi; e.g. *hoic*, *quoi*, 361 *populoi*. Perhaps also *oe* in *pilumnoe*, *poploe*, Fest. p. 205.

ABLATIVE. In early times the ablative ended in -d; e.g. *oquol-* 362 *tod* (*occulto*); *Benventod* (*Benevento*), *praīdad* (*præda*), *sententiad* (*sententia*). The latest inscription containing such ablatives is the *S.C. de Bacc.* B.C. 186. Plautus probably used it or not as he chose. See § 160 and Ritschl, *Neue Plaut. Exc.* I. 106.

Plural Number.

NOMINATIVE: *Stems in -a*. The ending -as is quoted from 363 Pomponius, 'Quot lætities insperatas modo mi inrepsere in sinum.' (See Ritschl, *N. P. Exc.* I. 117.)

Stems in -o. The earliest forms of ending in inscriptions are -es (not beyond cir. 90 B.C.) and very rarely -e or -oe; e.g. *Atilies*, *magistres*, *ploirume*, *Fescenninoe*: from 200 B.C. or earlier to about the birth of Christ, more frequently -ei, and from about the Gracchi till cir. 90 B.C. -eis, or sometimes -is; e.g. *Italieei*, *oinvorsei* (*universi*), *Q. M. Minucieis*, *Q. F. Rufeis* (i.e. *Q. (et) M. Minucii, Quinti filii, Rufi*), *gnateis*, *heisce*. So in Plautus *hisce*, *illisce*.

The ordinary form in -i appears since the Gracchi, and becomes exclusively used in the Augustan age.

The only instances of dual forms (compare the Greek) are *duo* and *ambo*, which are the forms used in the masc. and neut. (*duæ* feminine as in plur).

ACCUSATIVE: *Duo*, *ambo*, masc. and neut.; *duos*, *ambos*, also masc. (*duas*, *ambas*, fem.).

GENITIVE: Future participles except *futurus* are very rarely 364 found in the genitive plural, probably on account of the unpleasantness of repeated r (§ 185).

1. *Stems in -a*. The ending -um for -ārum (comp. Oscan -azum; Umbr. -arum or -aru; old Greek -αων) is found;

(a) in some names derived from the Greek; viz.: *amphorum*, (e.g. *trium amphorum*), *drachmum*.

(b) in proper names, especially patronymics, but almost exclusively in dactylic verse (esp. Vergil); e.g. *Lapithum*, *Dardanidum*, *Æneadum*.

(c) The only strictly Latin words in which it occurs are (masculine) compounds of *gigno* and *colo*, and these are so used in dactylic verses only; e.g. *Grajugenum*, *terrigenum*, *cælicolum*. The forms in *-arum* are also used.

2. *Stems in -o*. The ending *-um* (apparently similar to the 365 Umbrian and Oscan forms, and the Greek *-ων*) was perhaps the original Italian form, except in the pronouns, and was gradually superseded in Latin by *-orum*, which is common in inscriptions of the second century B.C. and later. In and after Cicero's time (see *Cic. Or.* 46) the genitive in *-um* for ordinary language was found only in certain words. Thus it is found:

(a) in names of weights and measures (chiefly Greek) in combination with numerals. Thus *nummum* (e.g. *tria millia nummum*; but *nummorum accessionem*), *sestertium*, *denarium*, *talentum*, *medimnum*, *stadium*.

(b) in *deum*, *divum*, the compounds of *virum* e.g. *quinquevirum*, *duum virum*, &c. (but in *Liv. decem virorum* is frequent), and in poetry *virum* itself; *liberum* (*children*), *fabrum* (in phrases as *præfectus fabrum*, *collegium fabrum*), *socium* (in prose rarely except of the *Italian allies*, or with *præfectus*), *equum* (often written *ecum*).

(c) in names of peoples (in poetry); e.g. *Achivum*, *Argivum*, *Teu-crum*, *Celtiberum* (sometimes in prose), *Rutulum*, *Italum*, &c. Other words, e.g. *fluvium*, *famulum*, *juvenum*, are found occasionally.

(d) But few instances of neuters are found; e.g. *somnium*, *armum*, &c., *oppidum* (*Sulpicius ap. Cic. Fam.* 4. 5. § 4).

(e) In adjectives instances are few, e.g. *centum doctum hominum consilia*, *celatum indagator*, &c. (*Plaut.*); *motus superum atque inferum*, *meum factum pudet* (*Ennius*); *prodigium horrifera portentum pavor* (*Pacuv.*); *amicum, iniquum, æquum* (*Ter. Haut.* 24, 27); &c., and the old phrase *liberum sibi quærendum* (or *quærendum*) *gratia*, &c. So in Vergil *magnanimum generator equorum*.

(f) *Duum* (frequently), *ducentum*, *quingentum*, *sescentum*, &c. So usually distributives; e.g. *binum*, *quaternum* (never *binorum*, *quaternorum* with *millium*), *senum*, *ducenum*, *quadragenum*, &c.

(g) For *nostrum*, *vestrum*, &c., see § 388.

DATIVE, ABLATIVE. 1. *Stems in -a and -o*. 1. The oldest form, 366 of which any instances are found, was *-oes*; e.g. *oloes* for *illis*. But the form most used in præ-Augustan inscriptions is *-eis*. The ending *-is* is found since the Gracchi, and, almost exclusively, in and after the Augustan time.

2. Stems in **-ia**, **-io** are found sometimes with **-is** instead of **-iis** 367 in inscriptions; e.g. **suffragis**, **prædis**, **provinciis**. So in Cic. *Rep.* **sociis**, **præsidis**, **pecuniis**, &c. Plautus has **gaudiis**, **illis** (from **illius**); Vergil has **tæneis**; Seneca **supplicis**; Martial **denariis**. In *Mon. Ancyr.* both forms occur not unfrequently; e.g. **municipiis**, **municipia**. **Gratis** (Plaut., Ter.), **gratis** (Cic., Mart.).

3. An ending in **-bus**, as in the second class of nouns, is found 368 in a few words: viz.

(a) **Ambo**, **duo**, always make **ambobus**, **ambabus**; **duobus**, **duabus**.

(b) **Dibus** is found in inscriptions for **Dīs**. (So also **Ibus**, **hibus**, from **is** and **hic**.)

(c) In prose, chiefly in inscriptions and legal expressions, **-abus** for **-is** is found in a few substantives; viz. **deabus** (chiefly in phrases, **dīs deabusque**), **filibus**, **libertibus** in opposition to the (usually) masculine **filis**, **libertis**; rarely, **conservabus**, **natabus**. In late writers also **animabus**, **equabus**, **mulabus**, and (sometimes in inscriptions) **nymphabus**.

A few adjectives occur with this form in Rhenish inscriptions; e.g. **matronis Gabiabus**, **Junonibus Silvanabus**, &c.

The following words of this class are defective or redundant in 369 certain cases. (All words of this sort which in any way belong to the 2nd class have their peculiarities mentioned, where they occur in the enumeration of that class.) See also § 330.

ævom (n.), also used as acc. m.; **balneum** (n.), also plur. **balnea**, of the *bath house*; **balteus** (m.), also **balteum** (n.), esp. in plur.; **buxus** (f.), also **buxum** (n.); **cælum** (n.), no plur. except **cælos** once in Lucret., where the meaning compels it; **callus** (m.), also **callum** (n.); **carbāsus** (m.), plur. **carbāsa**; **cāseus** (m.), also **cāseum** (n.); **cāvum** (n.), a *hollow*, also **cāvus**, m. (sc. *locus*); **clipeus** (m.), also **clipeum** (n.); **collum** (n.), also in old language **collus** (m.); **crōcus** (m.), in sing. also **crōcum** (n.); **cūtisus** (m. f.), in sing. also **cūtisum** (n.); **dēlicium** (n.) or **dēlicia** (f.), plur. **dēlicia**, sing. not frequent; **dīca**, **dīcam**, **dīcas**, **dīcis**, *law suits* (*δίκη*), no other forms; **ēpūla** (pl.), also sing. **ēpūlum** (n.); **flūmus** (m.), in sing. also **flūmum** (n.); **frēnum** (n.), plur. **frēni** (m.) and **frēna** (n.); **hordeum** (n.), of plural only nom. acc.; **infītiās**, acc. pl. only with verb *ire*, used in no other case; **intibus** or **intūbus** (m.), also **intūbum** (n.); **jōcus** (m.), in plur. **jōci** and **jōca**; **jūgūlus** (m.), in sing. also **jūgūlum** (n.); **jus jūrandum** (n.), both parts of the word are declined, e.g. **juris jūrandi**, **jure jūrando**, &c.; **lōcus** (m.), in plur. also **lōca**, of *places*,

properly speaking; *loci*, chiefly of places, metaphorically; *macte*, indecl. adj. or adverb, once in Pliny *macti*, but not in all MSS.; *margārīta* (f.), also *margārītum* (n.); *mendum* (n.), also *menda* (f.); *nāsus* (m.), also in Plaut. *nāsum* (n.); *nauci* only gen. sing.; *nihil* (n.) only in nom. acc. s.; often contracted *nīl*: of the fuller form *nihilum* are used *nīhīl* as gen. (or loc.?) of *price*; *nīhīlo* after prepositions, comparatives, and as abl. of price; and *ad nīhilum* (in ordinary language we have *nullius rei*, &c.); *ostrea* (f.), also *ostreum* (n.); *palātus* (m.), usually *palātum* (n.); *pēdum* (n.), *a crook*, only found in acc. s.; *pessum*, *bottom*, only acc. s. after verbs of motion, e.g. *ire*, *dāre*; *pilleus* (m.), also *pilleum* (n.); *pondo*, properly abl. s., also used as indeclinable, '*pounds*'; *porrus* (m.), also in sing. *porrum* (n.); *pūteus* (m.), also rarely *pūteum* (n.); *rāmentum* (n.), also in Plaut. *rāmenta*; *rastrum* (n.), also in plur. *rastri* (m.); *rētīculus* (m.), more frequently *reticulum*; *scalper*, *scalpellus* (m.), also *scalprum*, *scalpellum* (n.); *sībīlus* (m.), also *sībīlum* (n.); *suppētias*, acc. pl., no other case; *tergus* (m.), usually *tergum* (n.); *vallus* (m.), usually *vallum* (n.); *vēnum* (n.), acc. sing. after verbs of motion: Tacitus alone has *veno*. For *vīrus*, *vulgus* see § 338.

For numerical adjectives, some of which are indeclinable, see App. D. i.

CHAPTER VII.

PECULIAR DECLENSION OF CERTAIN PRONOUNS AND ADJECTIVES.

Some nouns adjective, and all pronouns adjective (except ³⁷⁰ possessive pronouns, *meus*, *tuus*, *suus*, *noster*, *vester*), have for all genders the genitive singular ending in *-ius*, the dative in *-ī*. In the other case the inflexions are the same as ordinary stems in *-o* and *-a*. The words belonging to this class are *ūnus*, *ullus*, *nullus*, *sōlus*, *tōtus*, *alter*, *ūter* (and its compounds *uterque*, &c.), *alius*, *ille*, *iste*, *ipse*, *hic*, *is*, *idem*, *qui* and its compounds (*quīvis*, &c.).

Of these *alius*, *ille*, *iste*, *is*, *qui* have neuter nom. and acc. ending in *-d* instead of *-m*. Other irregularities are named below.

1. *tōtus*, *whole*.

	SINGULAR.			PLURAL.		
	m.	f.	n.	m.	f.	n.
Nom.	<i>totūs</i>	<i>tōtā</i>	<i>tōtūm</i>	<i>tōtī</i>	<i>tōtāe</i>	<i>tōtā</i>
Acc.	<i>tōtum</i>	<i>tōtam</i>	<i>tōtum</i>	<i>tōtōs</i>	<i>tōtās</i>	
Gen.	<i>tōtīūs</i> in all genders			<i>tōtōrum</i>	<i>tōtārum</i>	<i>tōtōrum</i>
Loc. }	<i>tōtī</i> in all genders			<i>tōtīs</i> in all genders		
Dat. }						
Abl.	<i>tōtō</i>	<i>tōtā</i>	<i>tōtō</i>			

In the same way are declined *sōlus*, *alone*, *ūnus*, *one*, *ullus* (i. e. *ūnūlus*), *any at all*, *nullus*, *none*.

Also *altēr* (*the other*), *altēra*, *alterum*, gen. *alterius*, dat. *altēri*.

ūtēr, *utrā*, *utrum*, *whether*, i. e. *which of two*, gen. *utrius*, dat. *utri*.

altērūter, *alterutra*, or *altēra utra*, *altērutrum*, or *alterum utrum*; gen. *alterius utrius* (post-Aug. *alterutrius*), dat. *altero utri* or *alterutro*.

ūterque, *utrāque*, *utrumque*, *each*; *ūtercumque*, *utracumque*, *utrumcumque*, *which so ever* (of two).

ūtervīs, *utrāvīs*, *utrumvīs*, *which* (of two) *you please*; *ūterlībet*, *utrālībet*, *utrumlībet*, *which* (of two) *you like*.

neuter, *neutrā*, *neutrum*, *neither*.

ipsē (in early writers frequently *ipsus*), *ipsā*, *ipsum*, *he himself*.

The genitive has usually a long penultimate¹; but all (except *sollus*, *utrius*, and *neutrius*) are frequent in poetry with *-īus*: so *utriusque* always: *sollus* once in Terence.

soll is found as gen. masc. (Cato); *toti* as gen. fem. (Afran.); *nulli* is once or twice used for the masc. and neut. genitive; and *nullo* for the dative; *ulli* once (Plaut.) for gen. masc.; *neutri* is used in the gen. neut. in the sense of *neuter gender*. The feminine datives *unæ*, *nullæ*, *solæ*, *totæ*, *alteræ*, are (rarely) found in early writers to the time of, and including, Cicero and Nepos. *Toto* for dat. masc. is used once by Propertius.

The genitive *nullius* and abl. *nullo* are rarely used substantively of things, but frequently of persons; *neminis* being only found in præ-Ciceronian writers, and *nemine* being only used by Tacitus and Suetonius, except once in Plautus.

2. *ille*, *that*; *iste*, *that near you* (declined like *ille*); *āliūs*, *another*.

	SINGULAR.				SINGULAR.		
	m.	f.	n.		m.	f.	n.
Nom.	illē	illā	illud		āliūs	āliā	āliud
Acc.	illum	illam			ālium	ālium	
Gen.	illius in all genders				āliūs in all genders (rare)		
Loc. }	illi in all genders				ālii in all genders		
Dat. }							
Abl.	illō	illā	illō		āliō	āliā	āliō

The plural is regular in both.

¹ In the comic poets *-ius* and *-iūs* are both found. Cicero (*Or.* 3. 47. 183) implies that *illius* was in his time pronounced *illius*; Quintilian.

Old forms of *ille* found in Ennius, Lucretius, and Vergil, are *olli* for dat. sing. and nom. pl. masc.; *ollis*, dat. and abl. plural; and in Lucretius *ollas*, *olla*, acc. plural. *Ab oloes* for *ab illis* is mentioned by Festus; *ollus* and *olla* (nom. sing.) by Varro.

Istus for *iste* is found once in Plautus.

In the præ-Ciceronian phrases *alii modi*, *illi modi*, *isti modi*, we have genitives (or possibly locatives); as also in *alii dei*, *alii generis* in Varro, *alii rei* in Cælius. *Illæ*, *istæ*, *aliæ* are found in early writers rarely for dat. fem. sing.; *aliæ* as genitive in Cicero, Livy, and Lucretius (once each). Collateral forms, viz. *alis*, masc. nom. (Catull.), *alid*, neut. nom. acc. (Lucretius), *ali*, dat. sing. (Cat., Lucr.) are also found. The adverb *alibi* appears to be an old locative.

The demonstrative particle *cō* was sometimes appended to the 374 cases of *ille* and *iste* which end in *-s*, and frequently in an abridged form to the others (except genitive plural), especially in Plautus and the early writers; e.g.

SINGULAR.				PLURAL.		
Nom.	illc	illæc	} illc	illc	illæc	} illæc
Acc.	illunc	illanc		illosce	illasce	
Gen.	illiusce in all genders			} illisce in all genders		
Loc. }	} illc in all genders					
Dat. }						
Abl.	illōc	illāc	illōc			

So also *istc*.

In nom. sing. *illāce*, *istāce* for fem., and *illōc*, *istōc* for neut. are also found.

The initial *i* of *iste*, *istc* appears to have been sometimes omit- 375 ted; e.g. *At stuc periculum* (Ter. *Andr.* 566); *quæ sti rhetores* (Cic. *Or.* i. 19); *quid me sta res* (Cic. *Fam.* 4. 3. 2); *jam stino* (Verg. *A.* 6. 389); *modo sto* (Hor. *Epist.* ii. 2. 163), &c. See Lachm. *ad Lucr.* p. 197.

3. *Hic* (stem *ho-*), *this near me*, is declined as follows, the forms 376 in brackets being older forms used by Plautus, &c. (*hosce*, *hasce*, *hujusce* also in Cicero; *hæc* for nom. fem. plur. is found in Varro, Lucretius, and twice or oftener in Vergil. *Haice* neut. pl. only in *S. C. de Bacc.*)

(i. 5. 18) that *unius* was in his time *unus*. Probably these words *illius*, *unius*) are taken as *instances* only. (Ritschl, *Opusc.* ii. 696.)

SINGULAR.			
	m.	f.	n.
Nom.	hīc (hice)	hæc	} hōc (hooe)
Acc.	hunc	hanc (hance)	
Gen.	hūjus or hujusce (holusce) in all genders		
Loc.	hīc (adverb)		
Dat.	huic (hoice) in all genders		
Abl.	hōe	hāc (hace)	hōc
PLURAL.			
	m.	f.	n.
Nom.	hī (hisce)	hæ (hæc)	} hæc (haice)
Acc.	hōs (hosce)	hās (hasce)	
Gen.	hōrum (horunce, horunc)	hārum (harunce, harunc)	hōrum
Loc.	} his (hībus) in all genders		
Dat.			
Abl.			

4. *Is, that* (stem *i-* and *eo-*), is thus declined.

377

	SINGULAR.				PLURAL.		
	m.	f.	n.		m.	f.	n.
Nom.	is	ēā	} id		ēi or īi	eæ	} eā
Acc.	eum	eam			eōs	eās	
Gen.	ējus (in all genders)				eōrum	eārum	eōrum
Loc.	ibi (adverb)			}	ēis, eis or īis		
Dat.	ēi or ēi (in all genders)						
Abl.	eō	eā	eō				

Em or **im** for **eum** is quoted from the XII. Tables; **eæ** for dat. fem. in Cato; **eiei**, **iei** for dat. sing. in post-Gracchan and præ-Augustan inscriptions; **eis** once for nom. s. masc.; **iei**, **eis**, **eais** or **ieis** for nom. plur. masc. and **eieis**, **eais**, and **ieis** for dat. and abl. plural in præ-Augustan inscriptions; **ibus** sometimes in comic poets and Lucretius¹; **ēābus** in Cato for abl. plur. fem.; **i** and **is** in Plautus. **īi** and **īs** were common in post-Augustan inscriptions. Of poets only the præ-Augustan used any of the cases, except that Horace has the genitive and accusative in his non-lyrical writings.

Ennius is said to have written sometimes **sum**, **sam** for **eum**, **eam**, and **sas** for **eas**. (Or perhaps for **suas**.)

The dat. sing. **ei** has rarely a short penultimate (**ēi**): as **ēi** it is frequent in Plautus and Terence and (in the last foot of the hexameter) in Lucretius. As a monosyllable it is also common.

¹ Where **ibus** appears to be long, **hībus** is probably the right reading.

The suffix *-pse* is sometimes found in Plautus appended; e.g. *eapse*, *eumpse*, *eampse*, *eōpse*, *eāpse*; and in Cicero often in the phrase *reapse* (for *re eāpse*). In *ipse* (see above) the suffix is made the vehicle of the case endings.

Idem, *ēidem*, *idem*, acc. *eundem*, *eandem*, *idem* (compound of *is-dem*) is declined like it, the forms *tidem*, *tisdem* however not being found, and *ēidem*, *ēisdem* not frequently.

For the nom. masc. sing. and plur. *eidem*, *eisdem* are found in præ-Augustan inscriptions. Comp. § 265, 363. *Isdem* also appears to have been in use. For neut. s. *eidem* is found once in a præ-Aug. inscr.

5. *qui* (stem *quō-*), *which*, *what?* *any*, *an* (adjective) relative, 379 interrogative, and indefinite pronoun is thus declined. Older forms found in Plautus, &c. are added in brackets.

	SINGULAR.				PLURAL.		
	m.	f.	n.		m.	f.	n.
Nom.	qui	quæ	} quod		qui	quæ	} quæ
Acc.	quem	quam			quos	quas	
Gen.	cujus (quorū) in all genders				quorum	quarum	quorum
Dat.	cui (quorū or quorū) in all genders			}	quibus (quorū or quorū)		
Abl.	quod	quā	quod				

As an indefinite pronoun *quā* is more common than *quæ* in fem. nom. sing. and neut. plur.

Cūjus was treated (in præ-Augustan writers and once in Vergil) as a declinable genitive, i.e. an adjective with *-o* stem (e.g. *is cūja res*, *cūjum periculum est*. *Cūjum pecus?* (See the suffix *-io* in Book III.) The following forms are found so used: nom. s. *cūja* (f.), *cūjum* (n.); acc. *cūjum* (m. n.); *cūjam* (f.); abl. *cūjā* (f.); plur. nom. *cūjæ* (f.). (Never used instead of *quorum* or *quarum*.)

In Plautus *cūius* is often a monosyllable.

Qui is used (1) as an ablative (of all genders, and, occasionally in early writers, of the plural) with the preposition *cum* appended (*quicum*); (2) as a substantive relative and interrogative (e.g. *habeo qui utar*); (3) as an adverbial interrogative, *how?* and (4) occasionally as indefinite, e.g. *neūqui*, *siqui* (Plaut.). As a locative *ūbi* (for *quōbi*) is used.

The ablat. plur. *quīs* is found often in Varro, Sallust, and Tacitus, rarely in Cicero.

Qui like any other adjective can be used substantively, but 380 (owing to the use of *quīs*, *quid*) it is actually so used in the nom. singular and neuter acc. sing., as an interrogative rarely, and chiefly in dependent questions: as an indefinite pronoun, whether substantively or adjectively, only after *si*, *nisi*, *nē*, *num*.

In the cases named, an allied form **quis**, neut. **quid** takes its place. **Quis** (1) as an interrogative is generally a substantive (and as such is in early writers predicated of males or females), but sometimes a masculine adjective: (2) as an indefinite pronoun, it is used both as substantive and as masculine and feminine adjective. **Quid** and its compounds are always substantives.

The compounds of **qui**, **quis** are mainly declined like them, but ³⁸¹ all have **-quid** (not **-quod**), when used as substantives. Other peculiarities are here named.

Aliqui, **āliquā**, **āliquod**, *some*. **Aliquis** is a subst. and masc. adj.; and is more common than **aliqui**. **Aliquæ** as nom. fem. sing. occurs in Lucretius once, and not at all as neut. plur. Abl. **āliquī** is sometimes used in Plautus.

Ecqui, **ecqua**, or **ecquæ**, **ecquod**, *any?* **Ecquis** is subst. and masc. adj. The only cases besides the nom. in use are dat. **ecqui**; acc. **ecquem**, **ecquam**; abl. m. and n. **ecquo**. The plural is rare, but the forms **ecqui**, **ecquos**, **ecquas**, are found.

Quinam, **quænam**, **quodnam**, *any?* **Quisnam** is also used.

Quidam, **quædam**, **quoddam**, *certain*.

Quicunque, **quæcunque**, **quodcunque**, *whatsoever*. The **-cunque** is sometimes separated from **qui**, &c.; e.g. **quā re cunque possum**:

Quilibet, **quælibet**, **quodlibet**, *which you like*:

Quivis, **quævis**, **quodvis**, *which you will*. Sometimes with **cunque** attached; e.g. **quiviscunque**, *whatsoever*.

The following have **quis** instead of **qui** for the nom. sing. masc. ³⁸²

Quisquis, *whosoever* or *whatsoever*; **quidquid** or **quicquid**, *whatever*, also a substantive. **Quiqui** (nom. sing.) only in Plautus once. **Quisquis** as adjective is not applied to females. Of the other cases we have only the locative **quiqui** in Plaut. and possibly in **culcitra**: the abl. masc. and neut. **quoquo**; acc. in comic poets **quemquem**; **quiqui** nom. plur. masc.; in Livy **quibusquibus** (dat. pl. perhaps in quotation from ancient document), and **quaqua**, in Tacitus as abl. fem. sing.; elsewhere only as adverb.

Quisquam, n. **quicquam**, *any at all*. Generally used as substantive, but **quisquam** is also used adjectively of females (as well as of males). **Quicquam** as ablative in Plautus. The plural and the feminine singular are not used. **Quodquam** also not used.

Quispiam, **quæpiam**, **quodpiam**, *some*. Plaut. has an abl. **quipiam**.

Quisque, **quæque**, **quodque**, *each*. **Quicque** or **quidque** is subst. **quisque** used of a woman in Plautus.

Its compound *unusquisque* is similarly declined.

Quis appears to have stem *qui-*, and to belong to the *-i* stems (see 387 Chap. x). Probably the forms (now partly assumed by *quo-*) were, Nom. *quis*, neut. *quid* (so also *is*, *id*); Gen. *quis*; Acc. *quem* (the proper accus. of *quo-* being *quom* now used as conjunction), neut. *quid*; Abl. *qui* (hence possibly *quid*, *wherefore*; but comp. *ri*). Plural nom. and acc. *ques* (old form used by Cato and Pacuvius, cf. § 363), neut. *quia* (used as conjunction); Gen. *cutum* (found in Plautus); Dat. Abl. *quibus*.

CHAPTER VIII.

PERSONAL PRONOUNS.

THE substantives, called personal pronouns, are very peculiar in 384 their inflexions, nor are all the cases formed from the same stem.

	1st Person.	2nd Person.	3rd Person.
SINGULAR.			SING. and PLUR.
Nom.	<i>ego</i>	<i>tu</i>	no nom.
Acc.	<i>me</i>	<i>te</i>	<i>se</i>
Gen. (see below)			
Dat.	<i>mihi</i> or <i>mi</i>	<i>tibi</i>	<i>sibi</i>
Abl.	<i>me</i>	<i>te</i>	<i>se</i>
PLURAL.			
Nom. Acc.	<i>nos</i>	<i>vos</i>	
Gen.	<i>nostrum</i>	<i>vestrum</i> (<i>vostrum</i>)	
Dat. Abl.	<i>nobis</i>	<i>vobis</i>	

SINGULAR. *Accusative*. The forms *med* and *sed* occur as 385 accusatives in some early inscriptions, and *med* and *ted* both as accusatives and ablatives in Plautus; probably *sed* also (*Mil. Glor.* 1275). The *d* is probably the ablatival *d*, incorrectly transferred to the accusative as well¹. Quintilian also mentions an old form *mehe*. *Tete* was rarely written for *te*: *sese* frequently for *se*.

Genitive. The old genitive of the 1st and 2nd persons was *mis*, 386 *tis*; the latter is found in Plautus. This was replaced as possessive by the adjectives *meus*, *tuus*; and as objective by the gen. sing. neut. *mei* (*of my being*), *tui*. So *suis* (adj.), *sui* for the genitive (both singular and plural) of the reflexive pronouns.

¹ Ritschl, *Neue Plaut. Excurs.* (1869), p. 12.

Dative. **mī** is used both by Cicero and the poets.

387

For **sibi** old forms are **sibe**, **sibei** (cf. § 265).

Ablative. See above under *accusative*.

PLURAL. Accusative. For **nos** we have **enos** in the *Carmen Arvale*.

Genitive. As possessive genitives the adjectives **noster** and **vester** 388 were used; as objective **nostri**, **vestri**, and rarely **nostrum**, **vestrum**; as partitive **nostrum**, **vestrum**, and in the comic poets sometimes **nostrorum**, **nostrarum**, **vestrorum**, **vestrarum**.

To all cases (except **tu** nom.) of these substantive pronouns the 389 particle **-met** is sometimes added. For **tu**, **tutē** or **tutimet** are found.

The adjectives have in the ablative case **-met** or **-pte** often appended; e.g. **meopte**, **suāmet**; rarely in the gen. sing., e.g. **tuipte**; and acc. plur., e.g. **suosmet**, **suāmet**.

CHAPTER IX.

NOUNS OF CLASS II.

THE second main class of nouns contains stems ending in the semiconsonantal vowels **u** and **i**, or in a consonant.

i. DECLENSION OF **-u** STEMS.

The case suffixes, as seen in consonantal stems, are preserved 390 entire only in three or four nouns. They usually combine with the final vowel of the stem. The terminations thus become sing. nom. **-us**; acc. **-um** (for **-u-əm**); gen. **-ūs** (for **-u-is**); dat. **-ui**, often **-u**; abl. **-ū** (for **-ue**); plural nom. acc. **-ūs** (for **-u-es**); gen. **-uum**; dat. abl. **-ūbus**, generally **-ibus**. Some have collateral stems in **-o**, which are at least as early as the **-u** stems (see below).

The few neuter nouns differ only in the nom. acc. sing., 391 which exhibits the bare stem, and the nom. acc. plural which has the vowel **a** added (**-ua**). The contracted form of the dat. sing. is alone found now. (The neuters are **cornu**, **genu**, **pecu**, **veru**; also **artua** and **ossua** pl.)

No adjectives have stems in *-u*; except perhaps compounds of *manus*; but these are found only in nom. and acc. sing., except *angvimanūs* acc. pl. twice in *Lucr.*

(a) The words which retain the suffixes entire are 392
grūs (usually f., dat. abl. pl. *grūbus*); *sūs* (m. f., dat. abl. pl. *sūbus* and *sūbus*; also *sūbus*: a gen. sing. *sueris* is also mentioned); *bōs*, stem *bōv-* (m. f., gen. pl. *bovm*, and *bovom* or *bovum*; dat. abl. *būbus* rarely *bōbus*); *Jōv-* nom. s. *Jup-plter* (acc. *Jōv-em*, so the other cases: an old gen. pl. *Joum* is mentioned).

(b) The remaining words are here arranged according to the 393 letter preceding the final *u*. (But few however of the numerous verbals in *-tu* are here given.) All are masculine, except *cōlus*, *dōmus*, *idus* (pl.), *mānus*, *porticus*, *quinquatrūs* (pl.), *trībus*; and names of women and trees. A few are fem. or neut. as well as masc.

The dat. pl. is in *-ibus*, unless otherwise stated.

- bu* *trībus* (f. dat. abl. pl. *tribūbus*).
- ūu* *dōmus* (f.) voc. *domus*, gen. *domus* (*domi* only in *Plaut.*), 394
 loc. *domui*, usually (as from *-o* stem) *domi*; dat. *domui*, rarely *domo*; abl. *domo*, sometimes *domu*. Plur. nom. *domus*, acc. *domos*, sometimes *domus*; gen. *domorum* (*Lucr. Verg.*), *domuum* (*Sen. Plin. Tac.*), dat. abl. *domibus*.
- cu* *ācus* (m. f. dat. abl. pl. *acūbus*); *arcus* (m. rarely f. dat. 395
 abl. pl. *arcūbus*: another form of gen. is *arcl* or *arqui* (*Cic. Lucr.*), nom. pl. *arcl*); *ficus* (f., only found in gen. and abl. s. and nom. acc. pl.; other cases, as well as these, from a stem in *-o* which is rarely m.); *lācus* (m. dat. abl. pl. usually *lacūbus*; *laci* gen. s. in inscr. of *Sulla's* time); *pēcū* (n. not in gen. s. or dat. abl. pl. see § 458); *porticus* (f.); *quercus* (f. gen. pl. *quercōrum*, no dat. s. or dat. abl. pl.); *spēcū* (m. also f. dat. abl. pl. usually *specūbus*: rarely a nom. s. neut. *specus*; also nom. pl. *specā*).
- gu* *algu* (only as abl. s.); *fāgus* (f. *-u* stem only in nom. pl.; other cases from *-o* stems).
- tu* (-*su*) *sestus* (m.); *artus* (m. dat. abl. plur. almost always *ar-* 396
tūbus); *astus* (m. often in abl. sing.; also, rarely and in silver age, nom. s. and nom. acc. pl.); *cæstus* (m. also abl. pl. from *-o* stem); *exercitus* (m.); *fastus* (m. i.e. *pride*; *fastūs*, *fastibus* are also found, rarely, in sense of *calendar*); *frētus* (m. only in nom. gen. acc. abl. sing.; but a neuter stem in *-o* is more usual); *impētus* (cf. § 443); *mētus* (m. no gen. or dat. abl. plur.); *myrtus* (f. only nom. acc. pl.; all cases, except gen. pl., are found from a stem in *-o*); *noctu* (f. only abl. s.; generally as adverb;

for -i stem see § 418); *partus* (m. dat. plur. *partibus*); *portus* (m. dat. abl. plur. both in *-ibus* and *-ibus*); *angiportus* (m. only abl. s. and acc. pl.; a neuter with stem in -o is more common); *riktus* (m. rarely *riktum* n. nom.; *riktu* abl. s.); *ritus* (m.); *saltus* (m.); *sēnātus* (m. for genitive see §§ 399, 463); *singultus* (m.); *situs*, *drought* (m. no plur. or dat. s.; also a stem in -i, § 417); *spiritus* (m.); *testu* (only in abl. sing.; also *testum*, *testo*, n.); *tumultus* (m.); *vultus* (m. acc. pl. *vulta* twice, Enn., Lucr.).

Also numerous verbal substantives (e.g. *gemitus*, *ictus*, 397 *luctus*, *nexus*, *quæstus*, cf. § 800); some of which are found only in the ablative singular; e.g. *arcessitu*, *concessu*, *nātu*, &c., in *promptu*, in *procinctu*, *injussu*: others only in the dative and ablative singular; e.g. *irrisui*, *irrisu*; *ostentui*, *ostentu*; &c. An oscillation between abl. in -u and -o is found in *plebis scito*, *-scitu*; *opus est facto*, *factu*, &c.

- du *grādus* (m.); *Idus* (f. pl.).
- nu *ānus* (f.); *cornus* (f. besides nom. s. only in abl. s. and 398 nom. pl.; an -o stem in dat. abl. s. and pl.); *cornu* (n. also nom. acc. s. *cornum*); *gēnu* (n. also an old nom. acc. *gēnus*); *mānus* (f.); *pēnus* (f. rarely m.; also two neut. stems, in -o, and, rarely, in -ōs (§ 458): all are found in sing. but usually *penu* for abl.; in plur. only acc. *penus*, *penōra*); *pīnus* (f. has -o stem also; abl. s. always *pinu*, abl. pl. *pinis*; no gen. pl.); *sīnus* (m.).
- lu *cōlus* (f. dat. only *colo*, abl. *colu*, *colo*; acc. pl. also *cōlos*; no gen. or dat. abl. plur.); *gēlus* (m. rare, except in abl. s.; a stem in -o is also used).
- ru *currus* (m.); *laurus* (f. besides nom. s. only in gen. and abl. sing. and nom. acc. pl.; also a stem in -o declined throughout, but no gen. pl.); *nūrus* (f.); *pronurus* (f.); *quinqūātrus* (f. pl.); *sōcrus* (f.); *prosocrus* (f.); *tōnītrus* (m. also a neuter stem in -uo); *vēru* (n. dat. abl. pl. *verubus* and *veribus*; also nom. s. *verum*).
- su *cūpressus* (f. besides nom. only gen. abl. s. and nom. acc. pl. both from -u and -o stems); *luxus* (m.); *ossu* (n. only gen. pl. *ossuum*, Pacuv. and nom. acc. pl. *ossua* in inscript.); *sexus* (m. also an indec. n. nom. acc. *secus*). See also, for supine forms, under -tu.

A genitive in -i, chiefly in words with t preceding the i, possibly from some confusion with the past participle, was frequent in writers of the sixth and seventh centuries U.C. These instances are given: *aspecti* (Att.); *adventi* (Ter.); *æsti* (Pac.); *exerciti* 399

(Næv., Att., Varr.); **fructi** (Cat., Ter., Turp.); **gemit** (Plaut.); **lucti** (Att.); **ornati** (Ter.); **parti** (Pac.); **piscati** (Turp.); **porti** (Turp.); **quæsti** (Plaut., Ter., &c.); **salti** (Att.); **senati** (Plaut., Sallust, and was most common in the seventh cent. U.C.); **soniti** (Cæc., Pac.); **strepiti** (Enn.); **sumpti** (Plaut., Cat., Lucil., &c.); **tumulti** (Plaut., Ter., Enn., Sallust); **victi** (Plaut.). In some other words (see above), though not in **arci**, **laci**, the -o stem is found in other cases as well as the genitive. [For other forms of the genitive, see § 463.]

Examples of declension of stems in -u.

400

SINGULAR.

Nom.	sū-s	artū-s	grādū-s	}	cornū
Acc.	su-em	artu-m	grādu-m		
Gen.	su-is	artū-s	grādū-s	}	cornū-s
Dat.	su-i	artu-i or artū	grādu-i or grādū		cornū
Abl.	su-ē	artū	grādū		

PLURAL.

Nom.	}	su-ēs	artū-s	grādū-s	cornu-a
Acc.					
Gen.		su-um	artu-um	grādu-um	cornu-um
Dat.	}	sū-būs and su-ibūs	artū-būs	grād-ibūs	corn-ibūs
Abl.					

CHAPTER X.

ii. DECLENSION OF -i STEMS.

NOUNS with stems ending in -i exhibit the following case endings, composed partly of the final stem vowel, partly of case suffixes.

SINGULAR. The nominative has one, sometimes more than one, of four forms. It ends

(a) in **-ēs**. These are almost all feminine.

(b) in **-is**, masc. and fem.; neuter in **-e**.

(c) in **-s**, after dropping the final vowel; a preceding **t** or **d** is then also dropped as in consonant stems (§ 436). The same form is used in adjectives for all genders. No neuter substantives have **-s**.

(d) in **-r** or **-l**; viz. some stems end in **-er** for masc.; others, neuter in **-ar** or **-al**. A few adjectives have **-ar**, or **-or** for all genders. The **r** or **l** is the final consonant of the stem.

Accus. -em is found for masc. and fem. in all adjectives, and ⁴⁰² always or usually in most substantives. A few substantives have also -im; very few have -im always, and of these last only vis and sitis are found often in the accusative at all. (The neuter accusative is like the nominative.)

Gen. in -is, *Dat.* -ī,

Loc. Abl. in -ē or -ī. Adjectives with nom. sing. in -is have -ī ⁴⁰³ always, other adjectives, except participles, used as such (see § 419), have -ī usually. Most substantives, substantively used adjectives, and participles have -ē. Neuters with -ē, -ī, or -r in the nom. sing. have -ī in the abl.

PLURAL. *Nom.* -ēs, rarely -is; *Acc.* -ēs or -is indifferently (on ⁴⁰⁴ -eis see § 265, 266). Neuters have in both cases -ia, that is, -ā suffixed to the stem. *Gen.* -ium in prose. In verse the i is sometimes omitted for metre's sake in stems ending in -nti, and in a few other words. *Dat. Loc. Abl.* -ibus.

Some older forms of the cases will be found in Chap. XII., but the early inscriptions, i.e. before the seventh century U.C., contain very few instances of -ī stems.

(N.B. In the list given below, the occurrence of an accus. in -im, or of an abl. in -e from an adjective, or in -ī from a substantive, will be mentioned. The instances of the nom. plur. in -is, being probably not peculiar to particular words, will not be mentioned.)

The origin of the -ī stems¹ and of their case-endings² is ob- ⁴⁰⁵scure. Very few of these stems appear to correspond with -ī stems in Sanskrit or Greek (e.g. ignis, Sanskr. agni-; poti-, Sanskr. pāti-, Greek πόσι-; angui-, Sanskr. ahi-, Gr. ἔχι-; turris, τύρσις; ovis, Sanskr. avis, Gr. ὄις); many correspond to stems with a, or (Greek) o or u as final vowels. Some are clearly weakened forms of -o stems (e.g. exanimis, inermis, sublimis, &c., and comp. humilis with χθαμαλός, imber- (imbri-) with ὄμβρος, nocti- with noctu, sitis with situs, perhaps also ponti- with pontufex, fusti- with fustuarium, &c.): others have lost a consonant³ (e.g. vi- for vīri-, cucumi- for cucumis-, tigri- for tigris-, and compare clavis with κλειδ-; apis with ἐμπίς, ἐμπίδ-; ἔριν acc. from ἐρίδ-⁴). It is probable therefore that the -ī of these stems is, at least in most cases, the representative of an earlier vowel, and, according to the

¹ See L. Meyer, *Vergl. Gr.* I. 126, II. 117 sqq., 162 sqq.; Schleicher, *Vergl. Gr.* p. 384, 432, 452, ed. 2.

² See Corssen, *Aussprache*, I. 727, 734, 738 sqq. ed. 2; Bücheler, *Lat. Dec.*

³ Key considers -ī to stand for -io; *Essays*, 215, 236, &c.; *Lat. Gr.* p. 441, &c. ed. 2.

⁴ But see Curtius, *Gr. Etym.* p. 563, ed. 2.

general law of Latin vowel-changes, may therefore often have been immediately preceded by *e* (long or short). (In the very early inscriptions we have *aidiles* beside *sedilis* n. sing., and *mar*e**, *mar*e*i* for *marti*, dat. s., *militare* for *militaris*, nom. s.) This conclusion is confirmed by the fact that in numerous stems a nom. sing. is found in *-es*, as well as in *-is*; and it would account for the predominance of *-e* in the ordinary case-endings. It may be noted that none even of the words quoted above, as having the best claim to an original *-i*, have *-im* in the accusative sing. (But see § 196.)

The weakness of the *-i* is shewn by its frequent omission before the nominative suffix *s*, whenever the effect of an adjoining *s* on the preceding consonants would not be dangerous to the identity of the stem. Thus *loquax*, *stirps*, *mens*, *ars*, *mus* for *loquacis*, *stirpis*, *mentis*, *artis*, *muris* (cf. § 192); but *sublimis* not *sublimps*; *avis* not *aus*; *unguis* not *unx* (comp. *ninguis*, *nivi-*, *nix*); *vates* or *vatis* not *väs*; *vestis* not *väs*; &c. In the words *cānis*, *juvēnis*, *mensis* the *i* as well as the *s* is suffixal, and it is not unlikely that some other words (e.g. *indoles*, *vates*, &c.) may belong properly to the class of nouns with consonant stems. (See the Preface.)

The origin of the long vowel in the nominatives in *-ēs* is not clear. Some stems (e.g. *plebes*, also *plebs*; *fames*, also *famis*) have cases like the first class of nouns (§ 340).

A large proportion of the *-i* stems have only one syllable besides the *-i*, or are compounds with no further derivative suffix. Again, a very large proportion have the syllable preceding *-i* long. And in many of these, two consonants immediately precede the *-i*, as if the addition of the *-i* had either forced together the other syllables, or were itself a means, at least in the gen. plur., of giving play to a too heavy mass. (Comp. § 435.)

The chief derivative suffixes are *-aci*, *-enti*, *-ili*, *-ili*, *-ari*.

The following is a tolerably complete list of words of this class, except that some little-used compounds are omitted, and specimens only given of the principal classes of derivatives. In some words there is little or no positive evidence of the stem having *-i*, and they are placed here or among consonant stems in accordance with such analogies as may be found.

1. Stems with labial before *-i*.

410

All retain *i* or *e* in nom. sing. except *stirps*, *trabs*, *plebs*, *urbs*, *nix*.

(a) Stems in *-pi*.

-āpi *apis* (f. gen. pl. sometimes *apum*); *gausāpe* (f. abl. sing. also has acc. pl. A neuter stem in *-o* is more usual).

-ōpi	cōpem (adj. no nom. sing.).
-ūpi	rūpes (f.).
-uppi	puppis (f. acc. regularly -im; abl. often in -i; puppe, though frequent, being later; not before Ovid).
-sepi	cæpe (n. only used in nom. acc. sing.; usually stem in -a); sæpes (f. also sæps rarely).
-ēpi	præsēpe (n. also has acc. pl. præsēpes (f.); abl. s. præsēpio; abl. pl. præsēpiis; and perhaps acc. s. præsēpim).
-lpi	Alpes (f. pl.); volpes (f. also volpis once Petron.).
-rpi	stirps (f., sometimes as tree stem m.; nom. s. stirpis twice, and stirpes once in Liv.); turpis (adj.).

(β) Stems in -bi.

411

-ābi	trabs (f. trābes Enn.).
-ōbi	scrōbis (f.); scrōbis (m. f. also nom. s. scrōbs Colum.).
-ābi	lābes (f.); tābes (f. only in singular, and that is rare; abl. tabē, tabo usually, tabē once in Lucr.).
-ūbi	nūbes (f. also nubs Liv. And.); pūbes (f. dat. pubē Plaut. once); impūbis (adj.).
-ēbi	plebs (f. sometimes written pleps; also has nom. s. plēbes and (Liv.) plebis; see §§ 340, 357; no plural).
-mbi	delumbis (adj. Plin. once); pālumbes (m. f. also pālumbis, besides gen. and acc. sing. and nom. acc. and abl. pl. from a stem in -o; pālumbibus is not found).
-rbi	corbis (m. f. abl. in -i twice in Cato); imberbis (adj. older stem in -o); orbis (m. abl. sometimes in -i); urbs (f. sometimes written urps).

(γ) Stems in -mi.

412

-āmi	fāmis (f. rare except in gen. s.; other cases from fames, § 340).
-ūmi	cūcūmis (m. acc. in -im, abl. in -i; also with stem cūcūmis-); incōlūmis (adj.).
-īmi	exānīmis, semianīmis, unanīmis (adj. also earlier -o stems, which alone are used in plur.).
-āmi	infāmis (adj.; acc. infamam once Lucil.).
-ōmi	cōmis (adj.).
-ūmi	implūmis (adj.); rumis (f.? old word; only acc. in -im; abl. in -i).

- ūmi** **birēmis, trirēmis, &c.** (adj. often as subst. f.; abl. rarely in -o).
-īmi **sublimis** (adj. also an early -o stem).
-rmi **abnormis, enormis** (adj.); **biformis, iniformis, &c.** (adj.); **inermis** (adj. also an earlier form in -o); **vermis** (m.).

(δ) *Stems in -vi.* (For -qvi see § 414; for -gvi § 415.) 413

- ui** **lues** (f. also has acc. and rarely abl. s. no plur.); **strues** (f. no gen. or nom. acc. plur.). For **grūa, sūa**, see § 392.
-āvi **āvis** (f. abl. sometimes in -i); **grāvis** (adj.).
-ōvi **ōvis** (f. but in ancient formula m.).
-ēvi **brēvis** (adj.); **lēvis** (adj.).
-ivi **nix** (f. gen. pl. only in Lamprid. See below **ningvis**).
-āvi **clāvis** (f. acc. sometimes in -im); **conclāve** (n.); **nāvis** (f. acc. often in -im; abl. often in -i); **rāvis** (f. acc. in -im; abl. in -i); **svāvis** (adj.).
-ivi **elvis** (m. f. abl. often in -i); **acclivis, declivis, proclivis** (adj. also with -o stems).
-avi **tenvis** (adj.), see § 92.
-lvi **pelvis** (f. acc. sometimes in -im; abl. usually in -i).
-rvi **enervis** (adj.).

2. *Stems with a guttural before -i.* 414

(a) *Stems in -ci, -qvi.*

All drop -i in nom. sing. except those ending in -sci and -qvi.

- qvi** **quis** (pronoun. See § 383. Comp. also **is** § 377).
-ōci **præcox** (adj. for older **præcoquis**; also rarely a stem in -o).
-ōci (-lci) **simplex** (adj.); **dūplex, &c.** (For **supplex** see § 439.)
-āci **fornax** (f.); **pax** (f.), and numerous verbal adjectives; e.g. **audax, dīcax, fērax, lōquax, vīvax, &c.**
-auci **fauces** (f. pl., also **fauce** abl. sing.).
-ōci **atrox** (adj.); **cēlox** (f., but in Liv. m.); **fērox** (adj.); **solox** (adj., old word); **vēlox** (adj.).
-ūci **lux** (f. abl. sometimes in -i); **Pollux** (m. old nom. s. **Pollūces**).
-ōci **fæx** (f. no gen. pl.).

-ici	bīlicem (adj. acc. s.); fēlix (adj.); pernix (adj.); and the verbal forms chiefly feminine, but in plural used also as neuter adjectives; e.g. victrix, ultrix, corruptrix, faultrix, &c.
-nci	deunx (m.); quincunx (m.), &c.; lanx (f. no gen. pl.).
-lci	calx (f. sometimes m., no gen. pl.); dulcis (adj.).
-rci	arx (f.); merx (f., also old nom. s. merces, mers).
-rqvi	torqvis (m. rarely f. nom. sing. rarely in -es).
-sci	fascis (m.); piscis (m.).

(β) Stems in -gi, -gvi, -hi.

415

All retain i or e in nom. sing.

-āgi	ambāges (f. pl. also abl. s., ambāge; the gen. pl. only in Ovid once, ambagum); compāges (f.); contāges (f. only in Lucr. abl. once contāgē); propages (f. once in Pacuv.); strāges (f.).
-ūgi	jūgis (adj.).
-ngvi	angvis (m. f. abl. rarely in -i); bilingvis (adj.); exsangvis (adj.); ninguis (f. once in Lucr. same as nix); pingvis (adj.); ungvis (m. abl. sometimes in -i).
-ēhi	vēhes (f. also vehis Colum., gen. pl. vehum in Cod. Theod.).

Examples of declensions of stems with labial or guttural before -1. Compare § 447.

			adj. m. f. n.
SINGULAR.			
Nom.	nūbē-s	nāvi-s	audax
Acc.	nube-m	nave-m	audāce-m n. audax
Gen.	nubī-s	navī-s	audaci-s
Dat.	nubī	navī	audacī
Loc.	nubī	navī }	audacī (rarely audacē)
Abl.	nubē	navē }	
PLURAL.			
Nom.	nubē-s	navē-s	audacē-s n. audaci-a
Acc.	nubē-s or nubī-s	navē-s or navī-s	audacē-s or audaci-s n. audaci-a
Gen.	nubi-um	nāvi-um	audaci-um
Dat. }	nubī-bus	navī-bus	audacī-būs
Loc. }			
Abl. }			

3. Stems with a dental before -l

417

(a) *Most stems in -tl*, preceded by a consonant or long vowel, and a few others drop *l* (and then *t* also) in nom. sing.; but stems in -*stl*, and a few others retain it. Two or three have nom. sing. in -*ea*.

-*ātl* *nātis* (f.); *rātis* (f.). Comp. also *adfatis*.

-*ōtl* *pōtis*, *pōtē* (only in nom. and both forms alike for all genders and numbers). For *compos*, &c. see § 443.

-*ūtī* *cūtis* (f.). Perhaps also *intercus*, § 443.

-*ētī* *hēbēs* (adj. abl. in -*i*, but in Celsus once in -*e*; *tērēs* (adj.). No gen. pl.; *hebetia*, *teretia* occur once.

-*ētī* (-*lītl*) *ancipitī*-, nom. s. *anceps*, also (once in Plaut.) *ancipes* (adj. abl. s. always in -*i*, no gen. pl.): so also *biceps*, *tri-ceps*, *præceps* (acc. s. *præcipem* (Læv. or Liv. Andr.?); abl. *præcipe* Enn.).

-*lītl* *sītis* (f. acc. in -*im*, abl. in -*i*, no plur. Comp. *situs*, § 396).

-*ātī* *crātis* (f. nom. s. only in Veget., acc. s. *cratim* Plaut. and 418 *cratem*; comp. *craticula*); *grātes* (f. pl.; only nom. acc. and once, in Tacitus, abl. *grātibus*); *vātes* (m. f. also rarely *vatis*; gen. pl. usually *vatum*). So *Reūte* (abl. in -*e*).

Burgher names (adjectives); e.g. *Arpīnas* (old form *Ar-pinatis*); *Larinās*; *Fidenās*; *Antiās*; *Privernās*; &c.: also *cūjas* (nom. *cujatis*, Plaut.); *nostrās*; *optīmās* (nom. sing. not found); *pēnātes* (m. pl.); *summātes* (m. pl.); *infimātis* (nom. s.) occurs once in Plaut. [*primas*, *mag-nas* only late]. For *sanates* see Fest. p. 321, Müll.

-*autī* *cautes* (f.).

-*ōtl* *cōs* (f. no gen. pl.); *dōs* (f. gen. pl. usually in -*ium*).

-*ētī* *lōcūplēs* (adj. abl. s. usually in -*ē*; gen. pl. sometimes in -*um*); *rēte* (n. abl. sometimes in -*e*; acc. s. also *re-tem*, m.); *tāpēte* (n. sing. acc. m. *tāpēta*, abl. *tāpēte* (both in Sil. only); plur. nom. acc. *tāpētia*, *tāpēta*; dat. abl. *tāpētibus*, *tāpētis*); *trāpētes* (m. pl., acc. *trāpētas*, abl. *trāpētibus*; but forms from a stem in -*o* are generally used).

-*lītl* *lis* (f., older *stlis*); *dis* (adj., contracted for *dives*), nom. sing. once only (Ter.); *mlītl-s* (adj.); *Quiris* (adj.); *Sam-nis* (adj.); *vītl-s* (f.).

-*ptī* *neptis* (f. abl. once in -*i* in Tac.).

-*ctī* *nox* (f., also abl. s. *noctu*, chiefly adverbial); *lac* (n., also *lact* (Pliny, *H.N.* XI. 39, 95, &c. ed. Detlefsen) and *lacte*; abl. s. *lacti*; no plur.); *lactes* (f. pl.); *vectis* (m. abl. rarely in -*i*).

The neuter names of towns, **Bibracte**, **Soracte**, have abl. in **-e** (**Sauracti** Varr. once).

-nti- Adjectives and participles. Abl. sing. usually in **-i** when used as epithets, in **-e** as substantives; participles always in **-e** as participles proper (e.g. in abl. of circumstances, or with an object). Nom. pl. sometimes in **-is**, usually in **-es**; acc. plur. in **-is** or **-ēs** indifferently; gen. plur. in **-ium**, except, not unfrequently, for metre sake in poetry.

Participles (very numerous); e.g. **āmans**, **mōnens**, **sēquens**, **præsens**, &c.

Adjectives; e.g. **āmens**, **clēmens**, **contīnens**, **dēmens**, **diligens**, **ēlēgans**, **ēlōquens**, **ingens** (abl. always in **-i**), **innōcens**, **insōlens**, **libens**, **pētūlans**, **præstans**, **prūdens**, **rēcens**, **rēpens**, **sāpiens**, **sons** (nom. s. not used), **insons**, **vēhēmens**, &c.

Substantives have abl. in **-e**; gen. pl. in **-um** occasionally in poets, except from monosyllabic nominatives; **adulescens** (m.); **ānimans** (m. f. in plur. n.); **antes** (m. pl.); **cliens** (m. also **clienta** f.); **consentis** (m. plur.; gen. **consentum**); **dens** (m. gen. pl., according to Varro's express statement **dentum**; but MSS. and later grammarians give **dentium**); **bidens**, *a rake* (m. abl. in **-i** once in Lucr. at end of verse; *a sheep* f.); **trīdens** (m. abl. in **-i** sometimes at end of verse); **dextans** (m.); **dodrans**, &c. (m.); **fons** (m.); **frons** (f., in old writers sometimes m.); **gens** (f.); **infans** (m. f.); **lens** (f. acc. s. sometimes in **-im**); **mens** (f. old nom. s. **mentis**); **mons** (m.); **occīdens** (sc. sol m.); **ōriens** (sc. sol m.); **pārens** (m. f. gen. plur. often in **-um** even in prose); **pons** (m.); **rūdens** (m. gen. often in **-um**); **sementis** (f. acc. sometimes in **-im**); **sentēs** (m. pl. rarely f.); **serpens** (f. generally); **sponte** (abl. s. f.; also rarely **spontis** gen. sing.); **tōrens** (sc. fluvius m.); **triens** (m.).

-lti **puls** (f. gen. pl. only in Arnob.).

420

-rti **ars** (f.); **iners**, **sollers** (adj.); **cohors**, **cors** (f.); **fors** (f. no plur.); **fortis** (adj.); **Māvors**, **Mars** (m.); **mors** (f.); **pars** (f. sometimes acc. in **-im**, abl. in **-i**); **expers** (adj. no gen. pl.); **sors** (f. abl. s. rarely **sorti**; old nom. s. **sortis**); **consors**, **exsors** (adj. no gen. pl.).

-sti **agrestis** (adj. abl. as substantive (m.) in **-e** rarely); **cælestis** (adj.); **fustis** (m. abl. often in **-i**); **hostis** (m. f.); **pestis** (f.); **postis** (m. abl. often in **-i**); **restis** (f. acc. usually in **-im**); **testis** (m.), *a witness* (m. f.); **tristis** (adj.); **vestis** (f.). So **Præneste** (abl. in **-e** except once in Propert.).

(β) Stems in -di.

421

All in -di preceded by a vowel retain -i or -e in nom. sing. except *fraus*.

-ūdi	rūdis (adj.); rūdis (f.); sūdis (f. not found in nom. s.); trūdes (f. plur. rare).
-ēdi	pēdis (m. f.).
-īdi	fīdis, a harpstring (f. fides once Cic. <i>Arat.</i> 381); vīrīdis (adj.).
-ādi	clādes (f. also cladis Liv.).
-audi	fraus (f. sometimes with u for au)
-ōdi	enōdis (adj.).
-ædi	ædes (f. also ædis); cædes (f. also cædis Liv.).
-ēdi	sēdes (f. gen. pl. usually sedum).
-ndi	frons (f. old nom. frondis and fros); gians (f.); grandis (adj.); juglans (f.); lendes (f. pl.); libripens (m.); nefrendes (adj. pl.).
-rdi	sordes (f. plur., also sing. sordem; sordis gen. Plaut. once; sordi once in Ulpian; abl. sorde rare; sordē once Lucr.). Adjective compounds of cor, stem cord- (abl. s. always in -i): excors, concors, discors, misēricors, socors, vēcors.

Examples of declension of stems with a dental before -i.

422

Comp. § 447.

SINGULAR.

Nom.	rātī-s	sēquen-s	ar-s	ædes or ædis
Acc.	rate-m	sequente-m n. sequens	arte-m	æde-m
Gen.	ratī-s	sequentī-s	artī-s	ædi-s
Dat.	ratī	sequentī	artī	ædī
Loc. } Abl. }	ratē	sequentē or sequentī (§ 419)	artē	ædē

PLURAL.

Nom. }	ratē-s	sequentē-s (§ 419) n. sequenti-a	artē-s	æde-s
Acc. }	ratē-s (or ratī-s?)	sequentī-s n. sequenti-a	artīs or artēs	ædī-s or ædē-s
Gen.	ratī-um	sequentī-um	artī-um	ædi-um
Dat. }				
Loc. }	ratī-būs	sequentī-būs	artī-būs	ædī-būs
Abl. }				

4. Stems ending in -ni, -li, -ri, -si.

423

(a) Stems in -ni.

All retain -i in nom. sing. None have nom. sing. in -es.

- āni *immānis* (adj.); *inānis* (adj.); *māne* (n. indecl. abl. in -e); *mānes* (m. pl.); *pānis* (m. no gen. pl.).
- ūni *clūnis* (m. f.); *fūnis* (m.); *mūnis* (adj. Plaut.).
- œni *mœnia* (n. pl.).
- ēni *effrēnis*, *infrēnis* (adj. stems in -o more frequent); *lien* (m. also *liēnis* Cels., gen. pl. in -ium and -um); *pēnis* (m.); *rēnes* (m. pl. gen. pl. sometimes in -um. Also a stem *rien-*).
- īni *acclīnis* (adj.); *crīnis* (m.); *fīnis* (m. f. in plur. rarely f. abl. s. often in -i); *affīnis* (adj. as subst. m. f.; abl. in -e and -i).
- mni *amnis* (m. abl. often in -i); *indemnis* (adj. post-Aug.); *insomnis* (adj. Aug. and post-Aug.); *omnis* (adj.); *sollemnis* (adj.).
- gni *insignis* (adj.); *ignis* (m. abl. usually in -i); *segnis* (adj.).
- nni *biennis*, *sexennis*, &c. (adj.); *bipennis* (adj. also subst. f. abl. in -i); *perennis* (adj.).
- rni *bicornis* (adj.).

(β) Stems in -li.

424

All retain -i or -e in nom. sing. except neuters in -āli, which sometimes drop it.

- ōli *indōles* (f. no plur.); *sōbōles* or *suboles* (f. plur. rare; no gen. pl.). Comp. *proles*, § 426. Also *interpōlis* (adj.).
- īli *āgilis*, *dēbilis*, *fācilis*, and many other verbal adjectives; *grācilis* (adj. also a stem in -o, Ter. Lucil.); *novensiles* (adj. m. pl.); *similis* (adj.); *stērilis* (adj. with -o stem once in Lucr.); *strigilis* (f. abl. usually in -i).
- āli *æquālis* (adj. also subst. m. abl. in -i); *canalis* (m. f. abl. in -i); *contūbernālis* (m. f. abl. -e and -i); *jūgālis* (adj.); *nātālis* (adj. as subst. m. abl. often in -e: see also § 331); *nōvālis* (as subst. f. and -ale n.); *quālis* (adj.); *rīvālis* (adj. as subst. m. abl. in -e and -i); *sōdālis* (m. abl. in -e and -i equally); *tālis* (adj.). Proper names, e.g. *Jūvénālis*, have abl. in -e.

Neuter adjectives used substantively often drop the final -e and shorten final -al; e.g. *ānimāl*, *Baccānāl*, *bidentāl*, *cāpītal*, *cervicāl*, *Lūpercāl*, *pūteāl*, *tōral*, *tribūnāl*, *vectīgāl*, &c. But *fōcāle*, *penētrāle*.

Plural names of feasts; e.g. *Baccānālia*, *compitālia*, *Flōrālia*, *Saturnālia*, *sponsālia*, &c. have gen. pl. sometimes in *-ōrum*, as if from *-o* stems. So also *vectigālīorum* (Varr. Suet.).

- allī callis (m. f.); valles (f. also vallis); convallis (f.). 426
- aulī caulis (m. also cōlis).
- ōlī mōles (f.); prōles (f. the plur. once only, viz. acc. in Colum.).
- ollī collis (m. abl. rarely in -ī); follis (m.); mollis (adj.).
- ūlī ēdūlis, cūrūlis, tribūlis (adj.).
- ēlī fēles (f. also fēlis); mēles (f. also maelis Varr.); crūdēlis, fidēlis, patruellis (adj.).
- ellī imbellis (adj.); perduellis (adj.); pellis (f.); versipellis (adj.).
- llī sēdilis (m. aidiles in very early inscr., abl. usually in -e; 427 as adj. once in Plaut.); Aprīlis, Quintīlis, Sextīlis have abl. in -ī; bīlis (f. abl. usually in -e); Cīvīlis (as proper name, abl. in -e); vīlis (adj.); exilis, servilis, and other derivative adjectives.
- Neuter adjectives used substantively: e.g. ancīle (gen. pl. ancilliorum), cūbile, ēquile, hastile, mantile, mōnile, ōvile, sēdile.
- illī imbēcillīs (adj. in Seneca rarely; regular stem in -o); mille (adj. indecl. in sing.).

Examples of declension of stems in -nī, -llī. Comp. §§ 451, 461. 428

SINGULAR.

Nom.	ignī-s	simīlī-s	}	similē	ānimāl
Acc.	igne-m	simile-m			
Gen.	ignī-s			similī-s	animāl-is
Dat.	ignī				
Loc. }	ignī or ignē }				
Abl. }		similī			animālī

PLURAL.

Nom.	ignē-s	similē-s	}	simili-ā	animālī-ā
Acc.	ignī-s or ignē-s	similī-s or similē-s			
Gen.	igni-um			simili-um	animālī-um
Dat. }	igni-bus				
Loc. }		similī-būs			animālī-būs
Abl. }					

(γ) Stems in -ri.

429

Stems ending in -ri preceded by *ë* usually drop the *i* in the nom. sing. masc. and drop the *ë* before *r* in all other cases; those ending in -*äri* usually drop *e* or *i* in the nom. acc. sing. neuter.

- äri** **Arar** (m. acc. in -*im*; abl. in -*i* or -*e*); **hilaris** (adj. also with stem in -*o*, Plaut. Ter. Cic.); **mare** (n. abl. sometimes in -*e* in poetry; pl. only nom. acc. except **marum** Næv., **maribus** Cæs. once); **bimaris** (adj.); **pär** (adj. cf. § 454), **impar**, **dispar** (adj.).
- öri** **föris** (f.); **biföris** (adj.); **mëmor** (adj. gen. pl. only once used, viz. **memorum** in Verg., no neut. nom. acc.); **immëmor** (**immemoris** nom, Cæcil.); **indëcöris** (adj. no gen. or neut. pl.).
- öri** **cëler** (**cëleris** m. in Cato); **Liger** (m. acc. in -*im*; abl. in -*i* or -*e*); **Tibëris** or **Thybris** (m.); **Vësëris** (m.). 430
- (-pri)** **vepres** (pl. in sing. only **veprem**, **vepre**; usually m. Probably had n. sing. in -*ës*, comp. **veprëcula**).
- (-bri)** **bilibris** (adj.); **bimembris** (adj.); **cëlëber** (adj. **cëlëbris** as m. sometimes); **December** (adj.); **febris** (f. acc. often in -*im*; abl. usually in -*i*); **fënebris** (adj.); **fünëbris** (adj.); **imber** (m. abl. in -*i* frequently); **lügübris** (adj.); **müliebris** (adj.); **November**, **October** (adj.); **sälüber** (adj. often **salubris** m.).
- (-cri)** **äcer** (adj. in Næv. and Enn. also as f.; **acris** is rarely m.); **äläcer** (adj. **alacris** as m. rarely); **mëdiocris** (adj.); **völücer** (adj., rarely **volucris** as masc. adj. cf. § 456).
- (-gri)** **tigris** (usually f., also with stem **tigrid-**).
- (-tri)** **linter** (or **lunter** f. rarely m.); **püter** (adj. usually **putris**); **venter** (m.); **üter** (m.). Also **tres** (pl.).
- (-stri)** **aplustre** (n. also rare pl. **aplustra**); **bilustris**, **illustris**, **sublustris** (adj.); **bimestris** (adj. abl. rarely in -*e* Ovid); **campester** (adj. also **campestris** as m.); **equester** (adj. **equestris** as m. once); **päluster** (adj. also **palustris**); **pëdester** (adj.); **sequester** (m.; an acc. and dat. abl. s. and nom. pl. from a stem in -*o* occur rarely); **silvester** (adj. usually **silvestris**); **terrester** (adj. usually **terrestris**).
- äri** Numerous adjectives, with contemporaneous or subsequent stems in -*io*. The neuter when used as substantive often drops *e* in nom. sing. 431
- articularis**, **auxiliaris**, **popularis**, &c. (see Book III.).

mölāris (m. sc. dens, abl. in -ī); nāris (f.); pugillares (m. sc. codicilli).

Neuters: altāria (pl.), alveāre, calcār, cochleāre, exemplar (exemplāre Lucr.), lacūnar, lāqueār, lūpānār, pulvinār, tālāria (pl.), torcūlar.

- auri auris (f.).
- ōri discolor, versicolor (adj.).
- orri torris (m.); extorris (adj.).
- ūri būris (m. acc. in -im; no abl. found; also with -a stem);
sēcūris (f. acc. often in -im; abl. always in -ī).
- urri turris (f. acc. usually in -im; abl. often in -ī).
- erri verres (m. also verris Varr.).

(8) *Stems in -si.*

432

All retain -ī in the nom. sing., except *as*, *mas*, *mus*, *glis*.

- āsi (-ārī) mās (m.).
- assi as (m. rarely assis). So also its compound semis: but *bessis*, *decussis*, *centussis*, &c. (probably adjectives) are parisyllabic. *Casses* (m. pl. also *casse* abl. s.); *classis* (f. abl. often in -ī).
- ūsi (-ūrī) mūs (m.); plūs (n. abl. s. plure rare, no dat. s.; in plural nom. plūres (m. f.), plūra (n.); gen. plūrium; dat. abl. plūribus; so also complūres (plur.), but *compluria* once Ter. and so in other old writers (Gell. v. 21).
- ussi amussim (m. only acc. s.); tussis (f. acc. in -im; abl. in -ī).
- essi messis (f. acc. sometimes in -im); nēcesse (indec., used only as secondary predicate, 'a matter of necessity.' The form *necessum* is found in præ-Ciceronian writers and Lucr.; *necessus* as nom. in Ter.; as genitive (according to Lachm. ad Lucr. 6. 815) in *S. C. de Bacc.*).
- īsi (-īrī) glis (m.); vis (f. acc. vim, abl. vi, gen. and dat. rare: in plural acc. vis is found once or twice in Lucr., but the regular pl. is vīres).
- nsi ensis (m.). Also numerous derivative adjectives; e.g. *Castrensis*, *Narbonensis*, &c. So *atriensis* (m. sc. servus abl. rarely in -e); *circenses* (m. pl. sc. ludi); *Maluginensis* (as proper name with abl. in -e); *bimensis* (adj.). For *mensis* see § 460.
- xi axis (m. also written assis; abl. rarely in -ī).

Examples of declensions of stems in -ri, and declension of vis. 433
Comp. § 461.

SINGULAR.		m. f.		n.	
Nom.	imbēr	ācer (m.)	acri-s (f.)	} acre	vis
Acc.	imbre-m	acre-m			vim
Gen.	imbrī-s	acri-s			vis (rare)
Dat.	imbri				vi (rare)
Loc.	} imbrī or }	acri			
Abl.					vi
PLURAL.					
Nom.	imbrē-s	acrē-s	}	acri-a	virē-s
Acc.	imbrī-s or imbrē-s	acri-s or acrē-s			virī-s or vire-s
Gen.	imbri-um	acri-um			virī-um
Dat.	} imbrī-bus				
Loc.		acri-būs		virī-bus	
Abl.					

CHAPTER XI.

iii. DECLENSION OF CONSONANT STEMS.

The suffixes for masc. and fem. nouns with stems ending in a 434 consonant are: *Singular* Nom. -s (which however has fallen off or was intolerable in stems ending in -n, -l, -r): Acc. -em; Gen. -is; Dat. -ī; Abl. -ē. *Plural* Nom. Acc. -ēs. Gen. -um. Dat. Abl. -ibus. For the older forms see Chap. XII.

The locative was usually the same as the ablative, but in some words what was probably its original form remains, the same as the dat. (e.g. Carthaginē or Carthaginī; temporī (written tempērī), rurī).

These suffixes are appended without alteration of the stem except for nom. sing.

The suffixes of neuter nouns differ from the above only in having the bare stem, sometimes with the vowel modified, for nom. acc. sing.; and -ā (instead of -es) suffixed for nom. acc. plural.

A large proportion of the consonant stems have two syllables, 435 the second syllable being a derivative suffix. The final stem con-

sonant is always preceded by a vowel (except in *cor*, from stem *cord-*, *mensis*, *volucris*), and this preceding vowel generally short¹. (Comp. § 408.) The principal exceptions to this short quantity are the numerous stems in *-tāt*, *-ōn*, *-ōr* and a few in *-īc*.

The following enumeration is tolerably complete, except that specimens only are given of such classes of derivatives as contain very numerous instances.

1. Stems ending in mutes (and *m*).

436

Stems ending in mutes form the nominative singular by adding *s*, but the dentals (*t*, *d*) being assimilated to it fall away. A short *ē* preceding the final stem consonant is usually changed to *i* in other cases than the nom. sing. (§ 234. 3 *b*).

e.g. *princep-* nom. *princeps*, acc. *princīp-em*; *jūdēc-* nom. *jūdex*, acc. *jūdīc-em*; *rādīc-* nom. *rādix*, acc. *rādīc-em*; *ēquēt-* nom. *ēquēs*, acc. *ēquīt-em*; *pēd-* nom. *pēs*, acc. *pēd-em*.

Only three substantives are neuter, viz. *ālec* (also *alex* f.), *cāput* (with its derivatives *occīput*, *sincīput*) and *cor*. The adjectives have no neut. nom. acc. plural.

(a) Labial Stems.

437

- āp* *daps* (f. nom. s. rare; no gen. pl.).
- ōp* *ops* (f. nom. s. only as name of goddess); *īnops* (adj.).
- ēp* (*-ūp*) *auceps* (m.); *manceps* (m. *mancīp-* is more usual than the older *mancūp-*).
- ēp* (*-īp*) *forceps* (m. f.); *municeps* (m. f.); *princeps* (adj. abl. s. always in *-ē*)²; *particeps* (adj. abl. s. always in *-ē*); *adeps* (m. f. sometimes written *adīps*: no gen. pl.).
- īp* *stīp-em* (f. no certain nom. s. or gen. pl.).
- ēb* (*-īb*) *cālebs* (adj.).
- m* *hiemps* (f. sometimes written *hiems*; cf. § 70).

¹ Consequently, the accentuation of the syllables is not altered, as it would have been, if the gen. pl. had ended in *-ium*, or neut. nom. acc. pl. in *-ia*; e.g. *princeps*, *princīpum*, but *principium*, *prīncipia*.

² The genitives, *municīpium* once or twice in inscriptions, *prīncipium* often in MSS. of Livy, *forcīpium* in extract from Lucilius, are probably only mistakes of scribes. So *hospitium* in good MSS. of Cic. and Liv., *obsīdium* in Liv. and Cæs., *judicium*, *artificium*, &c.

(b) Guttural Stems.

459

(a) Stems in -c:

- āc** **fax** (f. no gen. pl.; old nom. s. **faces**); **frāces** (f. plur. no gen.).
- ūc** **crux** (f. no gen. pl.); **nux** (f.); **dux** (m. f.); **tradux** (m. rarely f.); **rēdux** (adj. abl. in -ī except as oblique predicate); **trux** (adj. no gen. pl.).
- ēc** **foenisex** (m.); **nēx** (f.); **prēc-em** (f. no nom. s.); **rēsex** (m.); **sēmīnēc-em** (adj. no nom. s.).
- ēc (-īc)** Chiefly masculine. **āpex** (m.); **cārex** (f.); **caudex** or **cōdex** (m.); **cīmex** (m.); **cortex** (m. sometimes f.); **cūlex** (m.); **forfex** (m. f.); **frūtēx** (m.); **īlex** (f.); **illex** (m.); **imbrex** (m. f.); **lātex** (m.); **mūrex** (m.); **ōblēc** (only in plur. and abl. sing. f. sometimes m.); **pālex** or **pōlex** (f. probably *πάλλαξ*); **pōdex** (m.); **pollex** (m.); **pūlex** (m.); **pūmex** (m.); **rāmex** (m.); **rūmex** (m. f.); **sīlex** (m. f.); **sorex** (m.); **vortex** or **vertex** (m.); **vitex** (f.).
- Semi-adjectival compounds; e.g. **īndex** (m. f.); **jūdex** (m. f.); **vīndex** (m. f.); **artīfex** (m. f.; abl. sing. as adjective in -ī); **carnīfex** (m. f.); **ōpīfex** (m. f.); **pontīfex** (m. f.); **auspex** (m. f.); **extispex** (m. f.).
- Adjectives: **supplex** (abl. ī in prose; ē frequently in metre); **bivertex**, &c.
- ībic-em** (m. acc. s.); **pantices** (m. pl.); **urpicem** (m. acc. sing.; **irpices** nom. pl.) are not found in nom. sing.
- īc** Chiefly feminine. **appendix** (f.); **cālīx** (m., *κύλιξ* f.); **dicis** (gen. s. only in phrase **dicis causā** or **gratiā**); **fīlīx** (f.); **fornīx** (m.); **fūlīx** (f. usually **fūlīca**); **larīx** (m. f.); **pīx** (f. no gen. pl.); **sālīx** (f.); **vārīx** (m. f.); **vīc-em** (f.; no nom. sing. or gen. pl.).
- āc** **īmax** (usually f.). For adjectives see § 414.
- ōc** **vox** (f.).
- ūc** **lux** (f. abl. sometimes in -ī; no gen. pl.).
- ēc** **ālex** or **hallex** (f. also a neuter form **alēc** or **halēc**); **vervex** (m.).
- īc** All fem. **cīcātrīx**; **cervīx**; **cornīx**; **cōturnīx**; **coxendīx**; **lōdīx**; **mātrīx**; **mērētrīx** (the adjective has -ī stem); **nātrīx**; **nūtrīx**; **rādīx**; **struīx**; **vībic-em** (no nom. s.). (Of

cicatrix, cervix, meretrix, instances of an acc. pl. in *-is* are found).

(β) *Stems in -g:*

442

- ūg *conjūx*, often written *conjux* (m. f.); *bījūgem*, *quadrījūgem*, &c. (adj. no nom. s., stems in *-o* more usual).
- ōg *grex* (m.); *sēgrōg-em* (adj. acc. s.); *āquīlex* (m.).
- īg *strīx* (f. gen. pl. *strīgium* in Vitruv.); *rēmex* (m.).
- ūg *frūgem* (f. no nom. sing.; *frux* and *fruges* quoted as early forms of nom. s.).
- ōg *rex* (m.); *lex* (f.); *exlex* (adj. only nom. and *exlēgem*, acc. s., in use).

(c) *Dental Stems.*

(a) *Stems in -t:*

443

- āt *ānas* (f.), (gen. *anītum*, C. N. D. 2. 48).
- ōt *compōs* (adj.); *impōs* (adj.).
- ūt *intercus* (adj. not found in abl. s. or nom. acc. or gen. pl.).
- ūt (-īt) *cāput* (n. abl. in *-ī*, Catull.); *occīput* (n.); *sincīput* (n.).
- ēt Nom. sing. in *-ēs*; *ābiēs* (f.); *āriēs* (m.); *pāriēs* (m).

Nom. sing. in *-ēs*; *interpres* (m. f.); *indīges* (m., rare in sing.); *perpes* (adj. abl. sometimes in *-ī*); *præpes* (adj. abl. sometimes in *-ī*); *sēges* (f.); *tēges* (f.); *impētē* (abl. s. also rarely *impētis* gen. sing.).

- ēt (-īt) Nom. sing. in *-ēs*;

Substantives: *āmes* (m.?): *cæpes* (m.); *fōmes* (m.); *gurges* (m.); *līmes* (m.); *merges* (f.?): *palmes* (m.); *poples* (m.); *stīpes* (m.); *termes* (m.); *trāmes* (m.). 444

Semi-adjectival: *antistes* (m. f., also *antistīta* f.); *cæles* (m., also in Ovid *cælitibus regnis*); *cocles* (m.); *cōmes* (m. f.); *ēques* (m.); *hospes* (m., sometimes in poetry f.; also *hospīta*, as f. sing. and neut. pl.); *mīles* (m. f.); *pēdes* (m. f.); *præstes* (m. f.); *sātelles* (m. f.); *vēles* (m.).

Adjectives: *āles* (mostly as subst. m. f.; gen. pl. usually, because in dactylic verse, *alītuum*); *Cærēs* of *Cære* (from which Vergil has abl. *Cærēte*, and gen.

Cæritis); **dives**; **sospes** (also **sospita**, old form **seispita**, as epithet of Juno); **sūperstes**.

-āt A very numerous class of (chiefly abstract) substantives (all feminine) in **-tāt**, e.g. **civitas**, **æstas**, **cālāmītas**, **simultas**, **hērēditas**, **tempestas**, **voluptas**, **cupīdītas**. The genitive plural is occasionally formed in **-ium**, especially from **civitas** and the three nouns next following, but from others than **civitas** rarely before the Augustan age.

sātias (f. usual only in nom. s.; acc. and abl. also in Lucret.).

damnas (adj.; in formula **damnas esto**, **sunto** both for nom. sing. and plur.).

-ōt **nēpōs** (m.); **sācerdōs** (m. f.).

-ūt **jūventūs** (f.); **sēnectūs** (f.); **servītūs** (f.); **virtūs** (f.); **sālūs** (f. only sing.).

-ēt **quiēs** (f.); **inquiēs** (f. also in nom. sing. as adj.); **requiēs** (f. no dative, or plural; also as an **-e** stem, § 340).

(β) *Stems in -d:*

446

-ād **vās** (m. f. no gen. pl.), *bail*.

-ūd **pēcūs** (f.), *a head of cattle*.

-ēd **pēs** (m.); **tripēs**, **cornipēs** (adj.), &c.; **compēdēs** (f. pl. also abl. s., *compede*, gen. pl. once *compedium* Plaut.); **quadrūpēs** (f. usually, also m. n.; abl. sometimes in **-i**: nom. pl. **quadrūpēdia** once in Colum.).

-ēd (-īd) **obsēs** (m. f.); **præsēs** (m. f.); **dēsēs** (adj.); **rēsēs** (adj.).

-īd **capīs** (f.); **cassīs** (f.), *a helmet*; **cuspīs** (f.); hence **tricuspidē** (abl. sing.); **lāpīs** (m. rarely f.); **promulsīs** (f.).

-rd **cor** (n. no gen. pl.). Compounds of **cor** have stems in **-i** (§ 447).

-æd **præs** (m. no gen. pl., ancient form of plur. **prævidēs**).

-ōd **custōs** (m. f.).

-aud **laus** (f., gen. pl. rarely in **-ium**).

-ūd **pālūs** (f.); **incūs** (f.); **subscus** (f.).

-ēd **hērēs** (m. f.); **exhēres** (adj.); **mercēs** (f.).

Examples of declensions of mute stems.

447

Compare. §§ 416, 422.

SINGULAR.	(adj. m. f. n.)	m. or f.	f.	m.
Nom.	princep-s	jūdex	ætā-s	pēs
Acc.	{ princip-em (m. f.) princeps (n.)	judic-em	ætāt-em	pēd-em
Gen.	princip-is	judic-is	ætāt-is	ped-is
Dat.	princip-i	judic-i	ætāt-i	ped-i
Loc. }	princip-ē	judic-ē	ætāt-ē	ped-ē
Abl. }				
PLURAL.				
Nom. }	princip-ēs (no neut.)	judic-ēs	ætāt-ēs	ped-ēs
Acc. }				
Gen.	princip-um	judicum	ætāt-um (sometimes ætāt-ium)	ped-um
Dat. }	princip-ibus	judic-ibus	ætāt-ibus	ped-ibus
Loc. }				
Abl. }				

2. Stems ending in -n.

Stems ending in -n form the nominative singular in one of two 448 ways:

Either the nom. sing. is formed by dropping the final *n*; thus stems in -ōn, -dōn, -gōn, and a few others which are all masc. or fem.: e.g. *sermōn-*, *sermo* (m.); *lōgiōn-*, *legio* (f.); *grandōn-*, *grando* (f.); *ōrigōn-*, *origo* (f.). In the oblique cases -ōn becomes -īn.

Or the stem becomes the nom. sing. without alteration or addition. Thus stems in -mēn, which, except one, are all neuter, and a few others which are mainly masculine: e.g. *agmēn* (n.), gen. *agmīnis*; *tibicēn* (m.), gen. *tibicinis*. Three words, *cān-is*, *jūvēn-is*, *sēn-ex*, are exceptional.

-ān *cānis* (m. f., old form *cānes* (Plaut.). The derivative *canicula* seems to imply an -ī stem).

-ōn (-īn) nom. s. in -o. All except some here named, are femi- 449
nine. *hōmo* (m. also in old language with stems *homōn-*, *hemon-*); *nēmo* (m. f. gen. and abl. sing. rare; cf. § 372); *turbo* (m. *turben*, Tib.); *cāro* (f. no gen. pl. The stem is *carn-* for *cārōn-*).

margo (m. rarely f.); **ōrigo** (f.); **ābōrigīnes** (m. pl.); **aspergo** (f.); **compāgo** (f.); **ambāgine** (f. abl. s. only); **indāginem** (f., also in gen. and abl. sing.); and other feminine substantives in **-gōn**.

cardo (m.); **ordo** (m.); **grando** (f.); **hārundo** (f.); **hīrūdo** (f.); **testūdo** (f.); **alcēdo** (f.); **grāvēdo** (f.); **ūrēdo** (f.); **cūpido** (f. sometimes m.); **sōlītūdo** (f.), &c.; and some other abstract feminine substantives in **-īdōn**, **-tūdōn**, &c.

-ēn (-īn) **flāmen** (m.), *a priest*; **fīdīcen** (m.); **oscen** (m., sometimes f.); **tībīcen** (m.); **tūbīcen** (m.); **pecten** (m.), **glūten** (n.); **sangven** (n.), and more frequently **sangvīs** (m.); **pollin-em** (m. also gen. and abl. s.). For stem **fēmen-**, nom. **fēmur** (n.), see § 454.

And the numerous verbal neuters; e.g. **agmen**, **lēnīmen**, **pūtāmen**, **vōlūmen**, **nōmen**, &c.; **flāmen** (n. is little used except in abl. s. and pl. and nom. acc. pl.); **binōmīnis** (adj. gen. s. no other case); **cognōmīnem** (adj. also abl. sing. and nom. pl.).

-ēn **sēn-ex** (m. sometimes in poetry f.): the other cases do not contain **-ec-** (which is seen in **senec-tus**, **senecio**, &c.); **jūvēn-is** (m. f.).

-ōn All masculine, except abstract substantives in **-īdōn**, which 450 are all feminine, even when used with concrete meaning.

āgāso (m.); **āquillo** (m.); **bāro** (m.); **būbo** (m. once fem.); **būfo** (m.); **caupo** (m.); **cento** (m.); **cūdōn-e** (m. only in the abl. case); **leo** (m.); **līgo** (m.); **mango** (m.); **mūcro** (m.); **ōpīlio** or **upīlio** (m.); **pāpīlio** (m.); **prædo** (m.); **pugio** (m.); **sermo** (m.); **stellio** (m.); **vesper-tilio** (m.); **titio** (m.); and others.

Cāpīto (m.); and other descriptive names of persons.

ternio (m.); **sēnio** (m.); and other names of numbers. **Anio** (also stem in **-ēn** with nom. **Aniēn**).

commūnio (f.); **perduellio** (f.); **rēgio** (f.); **lēgio** (f.); **ōpīnio** (f.); **dīcīon-em** (f. acc. also in gen. and abl. sing.); and other derivatives from adjectives and present stem of verbs.

lectio (f.); **ōrātio** (f.); **cenātio** (f.); **sorbītio** (f.); **nātio** (f.); and many other derivatives from supine stem of verbs.

Examples of declension of nouns with -n stems.

451

Compare § 428.

SINGULAR.	m.	n.	m.	f.
Nom.	tibicēn	agmēn	hōmo	lēgiō
Acc.	tibicīn-em		homīn-em	legiōn-em
Gen.	tibicīn-is	agmīn-is	homin-is	legiōn-is
Dat.	tibicīn-I	agmīn-I	homin-I	legiōn-I
Loc. }				
Abl. }	tibicīn-ē	agmīn-ē	homin-ē	legiōn-ē
PLURAL.				
Nom. }				
Acc. }	tibicīn-ēs	agmīn-ā	homin-ēs	legiōn-ēs
Gen.	tibicīn-um	agmīn-um	homin-um	legiōn-um
Dat. }				
Loc. }	tibicīn-ibūs	agmīn-ibūs	homin-ibūs	legiōn-ibūs
Abl. }				

3. Stems ending in -l, -r, -s.

Stems ending in -l, -r, -s are used as the nominative singular without addition or change, except that some neuters change *ēs* into *ūs*, and others change *ōr* into *ūr*, *ōs* into *ūs*. 452

(a) *Stems in -l.*

453

-āl *sāl* (m. sometimes in sing. n., no gen. pl.); *Hannībal*; *Adherbal*; &c.

-ūl *consul* (m.); *exul* (m. f.); *præsul* (m. f.).

-il *vīgil* (m. sometimes f.); *pervīgil* (adj.); *pūgil* (adj.); *mūgil* (m. also *mūgilis*). The ablat. sing. when it occurs (as in *vīgil* and *pervīgil*) is in -ī (cf. § 424).

sūpellectil- (nom. s. *sūpellex*, f., no plural; abl. s. in *i* frequently); *sīl* (n.).

-ōl *sōl* (m. no gen. pl.).

-ell *fēl* (n.); *mēl* (n.). Both drop the second *l* in the nom. sing., and in plural have only nom. acc.

(β) *Stems in -r.* (Some are properly in -s: cf. § 183.)

454

-ār *Lār* (m.); *baccār* (n.); *jubār* (n.); *īnstār* (n. only in nom. acc. sing.); *pār* (m. f.); *compār* (m. f., as adjectives the last two have -l stems).

-ōr *æquor* (n.); *marmor* (n.).

Four neuters change -or- to -ur- for nominative and accusative cases; **ēbur** (n.); **fēmur** (n., in other cases stems **fēmōr-** and **fēmēn-**, § 449, are alike used); **jēcur** (n., in other cases stems **jēcōr-**, **jēcīnēr-**, are alike used, and more rarely **jēcīnōr-**); **rōbur** (n., probably once had stem in -s; comp. **robustus**; and Cato probably wrote in one place **robus**).

-ūr **augur** (m. f., once had stem in -s; cf. **augustus**); **furfur** (m.); **Lēmūres** (m. pl.); **turtur** (m. f.); **vultur** (m.); **cicur** (adj.).

fulgur (n.); **guttur** (n. rarely m.); **murmur** (n.); **sulfur** (n.). So **Anxur** (n. m. § 324), **Tibur** (n.).

-ēr **ācīpensēr** (m.); **agger** (m.); **anser** (m. rarely f.); **asser** 455 (m.); **carcer** (m.); **Cēlēres** (m. pl.); **lāter** (m.); **laver** (f.); **Mulcīber** (m. also **Mulcīberi** in gen. s.); **mūlier** (f.); **Opīter** (m.); **passer** (m.); **prēcēres** (m. pl., sing. rare); **tūber** (also with stem in -ur), *a kind of fruit-tree* (f.); *the fruit* (m.); **vespēr-e** (m. abl.; otherwise with -o stem); **vōmer** (m. sometimes in nom. **vōmis**).

dēgēner (adj. abl. always in -i); **pauper** (adj.); **ūber** (adj. abl. almost always in -i), *fruitful*.

ācēr (n.); **oādāver** (n.); **ōcer** (n.); **gibber** (Plin. n.); **īter** (n. rare except in nom. acc. sing.); **ītīner** (n. rare in nom. acc. sing.); **jūgēra** (n. pl.; in sing. has stem in -o); **pāpāver** (n. also in Plaut. m.); **pīper** (n.); **sīler** (n.); **alser** (n.); **sūber** (n.); **tūber** (n.), (1) *a hump*, (2) *a moril*; **ūber** (n.), *a teat*; **verbēra** (n. pl. also abl. sing. **verbēre**, and rarely gen. s. **verbēris**).

-ēr (-r) **pāter** (m.); **māter** (f.); **frāter** (m.); **accīpīter** (m.); all omit **e** before **r** in all cases except nom. sing.

-arr **far** (n., in plur. only nom. acc.).

-ōr All, except three, masculine.

456

ōlor (m.); **sōror** (f.); **uxor** (f.); **ādor** (n. also quoted with stem in -ōr); **prīmōr-em** (acc. m., nom. sing. not found).

ardor (m.); **dōlor** (m.); **āmor** (m.); **cruor** (m.); **fulgor** (m.); and other verbals from present stem.

actor (m.); **auctor** (m. f.); **āmātor** (m.); **auditor** (m.); **censor** (m.); and other verbals from supine stems. For adjectives in comparative degree see § 460.

Slave names; e.g. **Marcīpor**, i.e. *Marcus' slave* (**por** = **puer**, old **pover**), **Lucīpor**, **Publīpor**, **Quintīpor**, &c. were disused in Quintilian's time.

- ūr fūr (m.).
 -ēr, vēr (n.).
 -cr vōlūcris (f. Cf. § 430).

(γ) *Stems in -a.*

457

All except *vas*, *os* (*a bone*), *mensis*, change *s* into *r* before a vowel; i.e. in all cases except nom. sing.

- ōs (-ōr) All neuter, except *lēpus* and *arbo*.

458

corpus (n.); *dēcus* (n.); *dēdēcus* (n.); *fācīnus* (n., also stem *facinēr-*); *fēnus* (n.); *frīgus* (n.); *litus* (n.); *nēmus* (n.); *pectus* (n.); *pēcus* (n. See also § 395); *pēnus* (n., more usually f. with stem in -u; see § 398); *pīgnus* (n., also stem *pignēr-*); *stercus* (n.); *tempus* (n., but *tempēri* is the best attested spelling for the locative); *tergus* (n.).

lēpūs (m.); *arbōs* (f. also *arbōr*).

tēnus (indecl.), *stretch?* used as adverb.

- ūs (-ēr) nom. sing. -us; other cases, -ēr. Originally -ōs, § 213. 5.

ācus (n.); *foedus* (n.); *fūnus* (n.); *gēnus* (n.); *glōmus* (n.); *jūgērum* (n. gen. pl. and *jugeribus* dat. abl. pl.; the other cases from an -o stem); *lātus* (n.); *mūnus* (n. in nom. acc. pl. both *munera* and *munia*); *hōlus* (n.); *ōnus* (n.); *ōpus* (n.); *pondus* (n.); *raudus* (n.); *rūdus* (n.); *sēcus* (n. only nom. acc. sing.); *scēlus* (n.); *sīdus* (n.); *vellus* (n.); *viscus* (n.); *ulcus* (n.); *vulnus* (n.).

Vēnus (f.); *vētus* (adj.).

- ēs (-ēr) nom. s. -ēs (gen. -ērīs).

459

Cērēs (f.); *pūbēs* (adj.); *impūbēs* (adj., oftener *impūbis*, neut. *impūbe*).

- īs (-ēr) *cīnis* (m. rarely f.); *cūcūmis* (m., also with stem *cucumi-* § 412); *pulvis* (m. rarely f., also *pulvīs*). In oblique cases -īs becomes -er; e.g. *pulvis*, *pulvērem* (§ 184. 3).

- ās *vās* (n., plural *vāsā*, *vasōrum*, *vasīs*, from stem in -o, of which the singular is found in early writers), *a vessel*; *fas* (n.), *nefas* (n., both only in nom. acc. sing.).

- oss *ōs* (n. See also § 398), *a bone*; *exōs* (adj. once in *Lucr.*).

- ōs (-ōr) All masculine except *ōs*, *a mouth*.

460

lēpōs (m.); *hōnōs* (also *hōnōr*); *lābōs* (more frequently *lābōr*; once in *Verg.* *lābōr*); *cōlōs* (also *cōlor*); *pāvōs*

(usually *pavör*); *ödös* (also *ödör*); *rümör* (cf. *rumusculus*); *fiös* (m.); *mös* (m.); *rös* (m.); *ös* (n., no gen. pl., dat. and abl. rare).

Adjectives of the comparative degree; e.g. *mällör* (m. f.), *melliūs* (n.); *dürör* (m. f.), *duriūs* (n.); &c. have ablat. sing. rarely in -i. Instances of the neuter also in -or are found in writers of the seventh century U.C.; e.g. *prior*, *posterior bellum* in Valerius Ant., Claudius Quad. &c.

-ūs (-ür) *tellūs* (f.).

crūs (n.); *jūs* (n., gen. dat. abl. pl. very rare); *pūs* (n.); *rūs* (n.); *tūs* (n.): (the last three have in plural only nom. and acc.).

-æs (-ær) *æs* (n.; the gen. dat. abl. plural are very rare).

-ens *mensis* (m.); *mensium* and *mensuum* genitive pl. are sometimes found in MSS. but *mensum* usually.

Examples of declension of stems in -l, -r, and -s.

461

Compare § 433.

SINGULAR.	m.	m.	adj.	m.
Nom.	<i>consul</i>	<i>päter</i>	<i>mällör</i> (m. f.) <i>melliūs</i> (n.)	<i>hönös</i> or <i>honör</i>
Acc.	<i>consul-em</i>	<i>pätr-em</i>	<i>meliör-em</i> (m. f.) <i>melius</i> (n.)	<i>honör-em</i>
Gen.	<i>consul-is</i>	<i>patr-is</i>	<i>melior-is</i>	<i>honor-is</i>
Dat.	<i>consul-i</i>	<i>patr-i</i>	<i>melior-i</i>	<i>honor-i</i>
Loc. } Abl. }	<i>consul-ě</i>	<i>patr-ě</i>	<i>melior-ě</i> (rarely <i>meliori</i>)	<i>honor-ě</i>
PLURAL.				
Nom. } Acc. }	<i>consul-ēs</i>	<i>patr-ēs</i>	<i>meliör-ēs</i> (m. f.) <i>meliör-ä</i> (n.)	<i>honör-ēs</i>
Gen.	<i>consul-um</i>	<i>patr-um</i>	<i>melior-um</i>	<i>honor-um</i>
Dat. } Loc. } Abl. }	<i>consul-ibūs</i>	<i>patr-ibūs</i>	<i>melior-ibūs</i>	<i>honor-ibūs</i>

SINGULAR.	n.	n.	n.	n.
Nom. }	cădăvër	röbür	öpüs	tempüs
Acc. }				
Gen.	cadavër-ls	robör-ls	opër-ls	tempör-ls
Dat.	cadaver-I	robor-I	oper-I	tempor-I
Loc. }				
Abl. }	cadaver-ě	robor-ě	oper-ě	tempor-ě (cf. § 434)
PLURAL.				
Nom. }	cadaver-ă	robor-ă	oper-ă	tempor-ă
Acc. }				
Gen.	cadaver-um	robor-um	oper-um	tempor-um
Dat. }				
Loc. }	cadaver-ibüs	robor-ibüs	oper-ibüs	tempor-ibüs
Abl. }				

CHAPTER XII.

OLD OR EXCEPTIONAL FORMS OF CASES (CLASS II.).

Singular Number.

ACCUSATIVE. On the omission of the final *m* see § 86. Its⁴⁶² omission in writing was gradually given up during the 6th century U. C.

GENITIVE. On the omission of the final *s* see § 193. 5. Cicero, in his poems, and Lucretius appear to be the last who made use of this omission.

1. *Steins in -u.* Four endings, besides the regular *-üs*, are⁴⁶³ mentioned, viz.:

(a) *-uos*, e. g. *Senatuos* four times in the *S. C. de Bacchanalibus*. Augustus is said to have written *domos*. Ritschl conjectures *domuos*.

(b) *-uis*, the uncontracted ending is mentioned as used by several writers; e. g. *senatuis* (Sisenna); *anuis* (Ter. Varr.); *partuis*, *fructuis*, *domuis*, *victuis*, *graduis*, *rituis* (Varr.). Gellius (4, 16) believed that Varro and Nigidius Figulus wrote so always.

(c) **-uus** as found in MSS. (e.g. of Pliny the elder) was probably merely so written to denote the length of the ū. It is found also in the nom. acc. plur.

(d) **-i**, see § 399.

2. *Stems in -i*. **Partus** is found on the Bantine bronze A.U.C. 464 621—636.

3. *Consonant stems*. An ending in **-us** is found in some inscriptions, but rarely later than 100 B.C.; e.g. **Castorus, Venerus, Cererus, Honorus, Cæsar, patrus, nominus, hominus, prævaricationus**.

An ending **-es** is found in **Salutes, Apolones** (before the 2nd Punic war), and **Ceres**.

DATIVE. *Consonant and -i stems.* **-e** is found in inscriptions 465 chiefly before the end of the sixth century U.C.; (a) e.g. **Junone, matre, salute, Drove**; also in one **-i** stem **marite**. It appears to have been retained in some phrases; e.g. **solvendo ære alieno; jure dicundo**, even in Livy and Suetonius.

(b) **-ei** in præ-Augustan inscriptions; e.g. **Apolonei, legei, heredei, Drovei, Hercolei, &c.** The only instances from **-i** stems seem to be **fraudei, martei, urbei**.

Both **-ei** and **-e** appear in the oldest inscriptions; 1 not till the time of the Gracchi. Corssen with others holds **-ei** to be the original dative suffix, **-i** the locative.

ABLATIVE. 1. *Stems in -u and stems in -i*. The ablative 466 probably ended in **-ū** and **-ī** (older **-ē**). But no certain instances occur in inscriptions except **navale, marī** in the Duillian inscription.

In one or two instances we have **uu** to denote long **u**; e.g. **pequatuū, arbitratuū**.

From **-i** stems we have, in præ-Augustan inscriptions, both **-ei** and **-i**; e.g. **partei, parti; fontei, omnei, sorti**.

2. *Consonant stems*. In these it ended in early times in **-e** and 467 **-ī**. Thus in very old inscriptions we have **airī** and **aire**; **patre, nominī**. In the Duillian inscr. also **-ē**; e.g. **dictatore**. (But the copy which we have is post-Augustan, and, as Ritschl thinks, not even a faithful copy of the original.) In the *S. C. de Bacc.* is **coventionī**. (No later examples.) Hence the ablative occasionally appears with **i**, the **d** having fallen off; e.g. **deditioni, por-**

tioni (præ-August. inscrip.); carni, vññeri, oneri (Plaut.); rationi, mucroni (Lucr. in elision), &c. But since the time of the Gracchi the ablative in -e is much the most common even in inscriptions.

Plural Number.

NOMINATIVE AND ACCUSATIVE. 1. -uus sometimes in inscriptions and MSS. for -ūs (see Detlefsen's edition of Pliny, *H. N.*). 468

2. *Consonant stems.* A few instances are found in MSS. of the ending -ia.

GENITIVE. 1. *Stems in -u.* The contraction of -uum is rare; 469 but currum (Verg.), passum (Lucil. Mart.) are found; exercitum in Mon. Ancy., magistratum (Liv. *Cod. Veron.*).

2. *Consonant stems.* Varro speaks of old forms boverum, Joverum for boum, Jovum; and Charisius speaks of the annalist Cælius having used nucerum, and Gellius, the historian, regerum, lapiderum, (from nux, rex, lapis). Possibly such forms are due to a collateral stem in -is (-er); as in cucumis, §§ 405, 459; sus gen. sing., suer-is (Plaut.). But they may arise from the simple addition of -um to the gen. sing.; e.g. nucis-um would become nucerum. Compare familias sing., familiarum plural.

DATIVE AND ABLATIVE. The final s was omitted or not 470 pronounced in early poetry before a word beginning with a consonant.

The early form was in -ebus; e.g. tempestatebus.

CHAPTER XIII.

GREEK NOUNS. CLASS I.

GREEK nouns in the præ-Augustan period generally received 471 slight changes, especially of vowels, to adjust them to the Latin usage. These forms were generally retained by the prose writers, but the Augustan poets, especially Propertius, Ovid and (later)

Statius, often introduced the Greek forms instead; and many words not in common use are found in the Greek form only¹.

i. Stems in -a.

The Greek nouns corresponding to the Latin -a stems, ended in ⁴⁷² the nom. sing. as follows: masc. -ās (-ās), fem. -ā (-ā), after a vowel or r; otherwise, masc. -ης (-ēs), fem. -η (-ē). If Latinized all become simply -ā.

In oblique cases the Greek declension has (usually) -ā, -ē in the ⁴⁷³ vocative, -ān, -ēn in the accusative singular. But the Latin vocative in -ā and acc. in -am (or -em, from Greek gentile names) are often found even when the nominative retains the Greek form. Stems in -tes had vocative (Greek, as well as Latin) -tā, e.g. Thyesta; also -tē, e.g. Boōtē. Patronymics in -des had vocative -dē, e.g. Tŷdidē, Æācidē, Alcīdē; sometimes -dā, e.g. Æācidā, Cēcŕōpidā (Ovid), Anchīsiādā (Verg.); accusative always -dēn, e.g. Laertia-dēn, Pālden. So also feminine nouns with nom. s. in -ē; e.g. Cīrcēn, Priēnēn.

The genitive, dative, and locative almost always take the Latin form -æ. But Propertius, Ovid and later poets usually make the genitive in -ēs from nominatives in -ē. So also Quintilian in names like musicē. A dative in -ē is rarely found except in some (not early) inscriptions, e.g. Bæbiæ Phœbe; Juliæ Stratonice, &c.

The ablative of stems in -ēs and -ē is usually -ē.

The plural is almost always in the Latin form. (Names of ⁴⁷⁴ peoples &c. often have -um for -arum. See § 364.)

The following examples will serve to show the variety in the ⁴⁷⁵ nominative case singular.

i. Greek nouns in -as (-ās), or -ης (-ēs). Masculine.

(a) *Appellatives.* Sŷcōphanta, pōēta, nauta, pirāta always. Similarly athlēta, bibliopōla, propōla, cītharista, and in Plaut. trapessīta (τραπεζίτης); danista (δανειστής). In Cicero, anagnostes, geōmetres, sophistes. Later dynastes, choraules, aliptes, comētes, pŷctes, tetrarches, pyrites, &c. So satrāpes (acc. usually satrāpam).

¹ "Nunc recentiores instituerunt, græcis nominibus græcas declinationes potius dare, quod tamen ipsum non semper fieri potest. Mihi autem placet rationem latinam sequi, quousque patitur decor." QUINTILIAN (I. 5. 63).

(b) *Gentile names.* **Persa** (Plaut.), **Perses** (Cic.); **Scythes** (Cic. Hor.), **Scytha** (Lucan). In Cicero **Abdērītes**, **Crotoniātes**, **Epirōtes**, **Stagīrites**.

(c) *Names of men.* **Hermia** (Cic.), **Mīda** (Ter.), **Marsya** (Hor. Ov.), **Pausānia** (Cic.), **Phædria** (Ter.), **Perdicca** (Curt.), **Æēta** (Ov.), **Prusia** (Cic. Liv.). On the other hand **Archias**, **Amyntas** (Cic.); **Prusias** (Liv.); **Æneas**, &c.

Anchīses, **Achātes**, **Thyestes**. Patronymics rarely have -ā. Thus **Hēraclīdes**, **Alcīdes**, **Asclēpiādes**, **Pelīdes**. But **Atrīdā** is found (Hor. Ov.). Lucretius has two patronymics from Latin names: **Memmiā-dæ** (dat. sing.), *son of Memmius*; **Scipiādas** (nom. s.; **Scipladam** acc. s. Hor.; **Scipladæ** gen. s., Prop., Hor.; **Scipladas** acc. pl., Verg.), *son of Scipio*.

2. *Greek nouns in -ā (-ā) or -η (-ē). Feminine.*

476

(a) *Appellatives.* **Apōthēcā**, **aulā**, **bibliothēcā**, **tragediā**, **comœdiā**, **prōrā**, **māchærā**, **purpurā** (πορφύρā), **ancōrā** (ἄγκυρā), **nausēā** (ναυσίā), **epistūla** (ἐπιστολή), **scœna** (σκήνη), always. In Cicero, **grammaticā**, **dialecticā**, **rhetōricā**, **mūsicā**: in Quintilian **grammaticē**, &c.

(b) *Names of places.* **Ætnā**, **Cretā**, **Libyā**, **Spartā**, **Idā**, **Īthācā**, &c., but in Ovid usually **Ætnē**, **Crētē**, &c. **Thessālōnica** (Cic.); **Thessalonice** (Liv. Plin.). Always **Cyrēnē**, **Meroē**.

(c) *Names of women.* For Ἀλκμήνη **Alcumēna** (Plaut.), **Alcmēna** (Cic.), **Alcmēnē** (Ovid). In Cicero, Varro, &c., **Andrōmācha**, **Antīōpa**, **Eurōpa**, **Hēcāta**, **Hēlēna**, **Sēmēla**, &c. In poets usually **Andromāchē**, &c. But **nympha** (Cat. Verg. Ov.), **nymphē** (Ov.). Always **Bērēnice**, **Hēbe**, **Daphne**, **Persēphōne**, **Phœbe**, **Rhōdōpe**, **Thūle**, **Tisiphōne**, &c.

ii. *Stems in -o.*

477

The -o stems in Greek had -ος (-ōs) in nom., -ον (-ōn) in accus. (and neuter nominative) singular. The Latin form (-um) for the accus. is often found, even when a Latinized nominative (-ūs, sometimes -er for -ērus) is not found. The other cases rarely received any other than a Latin form.

The following are instances of the usage:

SINGULAR. 1. Appellatives (Feminine), e.g. **methōdus**, **periō-** 478
dus, **atōmus**, **antidōtus**, **dialectus**, always. So **trimētrus** or **trimē-**
ter; **tetramētrus**, or **tetramēter**; on the other hand **diamētros** (also
diamētrus), **perimētros**, **barbītos** (m. and f.); **phasēlos**, *a boat*,
fasēlus, *a boat, a bean*.

2. *Names of plants, &c.*, e.g. *acanthus* (m.), *aspārāgus* (m.), *asphōdēlus* (m.), *hyacinthus* (m.), *hellēbōrus* (m. more frequently *hellēbōrum*, n.), *papȳrus* (f.), &c. But *lōtōs* (f.), *aspalāthōs*, &c. *Precious stones* (mostly feminine), *amethystus* (f.), *zmaragdus* (m.), *electrum* (n.), *topazos* (f.), &c. *Animals*, *arctos* (f.); *scorplos* or *scorpius* (m.), *camēlus* (m. f.), &c.

3. *Names of towns and islands* (feminine), e.g. *Abȳdus*, *Corinthus*, *Lampsācus*, *Pāphus*, *Cȳprus*, *Rhōdus*, *Tēnēdus*, *Epȳrus*, &c. The forms in *-os* (*-ov*) in the poets chiefly. Always *Ægyptus*, but (nom.) *Imbros*, *Lemnos*, *Dēlos*, *Sāmos*, *Sestos*, *Tyros*, &c.

Names of rivers and mountains (masculine), *Pēnēus*, *Caystrus*, *Mæander*, *Parnassus*, &c. Also *Penēos*, &c. Usually *Pellion* (n.) and nom. *Olympus* (m.), *Caucāsus* (m.), acc. *Olympum*, *Caucasum*.

4. *Names of men*. Usually Latinized, especially those in *-pos* (*-rus*), preceded by a consonant; e.g. *Teucer*, *Mēleager*, rarely *Mēleagros*, *Antipāter*, *Alexander*, *Menander*, sometimes *Menandros*, *Evander*, sometimes *Evandrus*. So we have as accusatives *Daidālon*, *Sisȳphum*, &c.

The genitive is sometimes in *-u*; e.g. *Menandru*, *Apollodoru*.

Panthūs, voc. *Panthu* is a contracted form (*Πάνθοος*, *Πάνθοε*).

Greek words in *-εως* (*-eōs*), are either completely Latinized; e.g. *Tyndarēus*, *Pēnelēus*, or sometimes have nom. *-ōs*, acc. *-ōn* or *-o*, e.g. *Andrōgeos* (gen. *Andrōgeo*, and *Andrōgei* in Vergil).

So also a few names of places, viz.: *Athos*, *Ceos*, acc. *Athōn* (Cat. Ov. Verg.), *Atho* (Liv. Plin.), *Ceo* (Cic.). *Coos* (Mela), *Cōūs* (Liv.) for *Kōōs*, *Kōs*, has acc. *Coum* (Plin. Tac.), abl. *Coo* (Cic. Plin.).

For some stems in *ευ-* (*eu-*) see § 482.

PLURAL. The Nominative rarely in *-æ*; e.g. *Adelphæ* (Ter.), 479 *canēphōræ*, *arctæ*, *cosmæ* (Cic.), *Solæ*, *lotæ* (Plin.). The Greek genitive in *-ων* (*-ōn*) is found sometimes with *liber* as the name of a book; e.g. Vergil's *Būcōlīcon*, *Georgīcon*; Manilius' *Astronōmīcon*; rarely otherwise; e.g. *Colonia Theræon*, for *Theræorum* (Sall.).

On the genitive in *-um*, e.g. *Pelasgum*, *Grajum*, see § 365.

CHAPTER XIV.

GREEK NOUNS. CLASS II.

GREEK nouns of this class, as of the first class, frequently retain ⁴⁸⁰ such of their Greek inflexions as are not very dissimilar to the Latin inflexions. Plautus, Terence and Cicero for the most part Latinize the inflexions. Propertius, Ovid and the post-Augustan poets very frequently retain the Greek vowels and *-n* (for *-m*) of the acc. sing. and short pronunciation of the final syllables. Intermediate between these two parties stand Vergil and Horace, who with Corn. Nepos, Pliny and other post-Augustan prose writers share the same tendency as Ovid, but use many of the Latin forms. The Greek forms in all writers are much more frequent in proper names than in appellatives.

1. Stems in *-o*, *-eu*, *-y*.

481

-o (a) Masculine. nom. in *-ōs*; acc. *-ōem* or (poet.) *-ōā*; gen. *-ōis*; dat. *-ōi*. Plural nom. *-ōēs*; acc. *-ōās*; gen. *-ōum*; dat. abl. *-ōibus*? (*-ōisin* once in Ovid).

e.g. *hēros*, *Minos*.

(b) Feminine. All cases in *-o*, except gen. *-ūs*. Ovid occasionally has accusative in *-on*. The early poets (Ennius, Pacuvius, Accius, and once Plautus), treated them as having stems in *-ōn* (e.g. *Didōnem*, &c.). So also the late writers, e.g. Servius, Macrobius.

e.g. *Allecto*, *Argo*, *Callisto*, *Cālypsō*, *Dido*, *Echo*, *Hēro*, *Io*, *Ino*, *Manto*, *Theāno*, *Sappho*.

-eu Masculine. Nom. *-ēūs*; voc. *-ēū*; acc. *-eum* or (poet.) ⁴⁸² *ēa*¹; gen. *-ei* or (poet.) *-eōs*; dat. abl. *-eo*. The poets (e.g. Verg. Ov. Prop.), often treat *-ei*, *-eo* as one syllable (see § 232).

¹ Cicero in a letter to Atticus (6. 9. § 1) had used the expression "In Piræea cum exissem," and, Atticus having commented on it, Cicero replies (7. 3. § 10), "Venio ad 'Piræea,' in quo magis reprehendendus sum, quod homo Romanus 'Piræea' scripserim, non 'Piræum,' sic enim omnes nostri locuti sunt, quam quod 'in' addiderim."

e.g. Atreus, Cepheus, Erechtheus, Mnēstheus, Nēreus, Orpheus, Pēleus, Perseus, Prōmētheus, Pīræus, Prōteus, Tēreus, Thēseus, Typhœus, Tyndāreus, &c. For metre's sake we have in acc. Idōmēnēā, Ilīōnēā (Verg.), Cāpānēā (Stat.).

The plural is rarely found; e.g. accus. Megareos (Quintil.), Phineās or Phinēās (Mart.).

The name of the Macedonian king Perseus had an e-stem used in Cicero, and an -eu stem used in Livy. Other writers generally follow Livy. Thus in Cicero, nom. Perses; acc. Persen, rarely Persem; gen. dat. Persæ; abl. Persa. In Livy, nom. Perseus; acc. Perseum and Persea; gen. Persei; dat. abl. Perseo.

In Horace are found Achillēi, Ulixēi.

The Greek ἀμφορεύς (m.), is in Lat. always amphōra (f.).

-y Nom. -ys Voc. -y (in poets); acc. -yn or -ym; gen. -yis 483 or -yos; dat. -yi; abl. -ye.

e.g. chēlŷs (f.), Cotys (m.), Erīnys (f.), Hālys (m.), Phorcys (f.), Tēthŷs (f. dat. Tēthŷi once Catul.).

2. Stems in -e and -i.

484

-e (a) Masculine. Nom. s. -ēs¹. Acc. -em or more frequently (especially in post-Augustan writers), in -ēn. Gen. usually in -i², sometimes -is. Abl. in -ē, rarely -ē. In plural these stems are often treated as if they ended in -a³.

-ce e.g. Pharnāces.

-che e.g. Lāches.

-te e.g. Acestes, Achātes, Bōōtes, Euphrātes, Hippōcrātes, Iphicrātes, Isōcrātes, Mithridates, Orestes, Phraētes, Pōlycrātes, Sōcrātes, Thyestes, Tiridātes, Tīmōcrātes, Xēnōcrātes, &c.

A genitive in -æ is occasionally found in the poets; e.g. Antīphātæ, Bootæ, Orestæ, Thyestæ.

¹ These stems properly end in -os, or -es; e.g. Σώκρατες, γένος. The final s, which is changed to r in Latin (§ 183 b), is omitted in Greek.

² In Greek inscriptions such forms as Σώκράτου, Καλλικράτου, Καλίσθενου, &c., (instead of Σωκράτους, &c.), occur, even in Attic.

³ Forms like Σωφάναι, Πραξιτέλαι, &c. occur in Greek since Plutarch.

- de** e.g. Alcibiādes, Aristīdes, Carneādes, Diōmēdes, Eurīpīdes, Gānymēdes, Hypērīdes, Miltiādes, Pālāmēdes, Parmēnīdes, Simonīdes, Thūcŷdīdes. Proper patronymics belong to the first class, § 475.
- ne** e.g. Artāphernes, Clisthēnes, Demosthēnes, Diogēnes, Xēnōphanes.
- le** e.g. Achilles (see § 482), Aristōteles, Hercūles, Praxītēles, Thales (see § 494); Agāthōcles, Empēdōcles, Thēmistōcles, Pēricles.
- A few instances of acc. in -ā are found from stems in -cle, e.g. Pēriclea, Strātōclea (Quintil.); Pythōclea, Sōphōclea (Sen.); Eteoclēā (Stat.).
- se (-ze)** e.g. Gotarzes, Oaxes, Ulixes (see § 482), Xerxes, Vologēsēs (some cases of a stem in -o are found from the last-named).
- (β) Neuters. Nom. acc. sing. -ōs or -ūs. Nom. acc. 485 pl. -ō (no other cases). e.g. cētōs, mēlōs, pēlāgūs; Tempē (plur. only). Pelāgus (n.), and cetus (m.), are also used with -o stems. So also ērēbum (acc.), erebī, (gen.), erebo; chao (dat.), cācōēthes (adj. n.).
- ī** (a) Feminine (chiefly, except names of rivers). Nom. 486 in -īs. Acc. in -īm or -in, abl. -ī.
- Appellatives: e.g. bāsis (acc. also in -em), cannābis, phthīsis, pārālŷsis, pōēsis, pristis, tigris (also with stem in -īd).
- Names of Persons. e.g. Sesostris (m.), Mephītis (f.), Alcestis (f.).
- Names of Places. e.g. Amphipōlis, Neāpōlis, &c.; Chārybdīs, Hispālīs, Leptīs, Memphis, Sŷbāris, &c., also the plurals Gadīs, Sardīs, Syrtīs, Trallīs.
- Names of Rivers. Masculine. e.g. Albīs, Bætīs (abl. also in -ō), Ligēris, Liris, Tamēsis, Tānais, Tigris (see also § 501), Tibēris; Vesēris, Visurgis.
- A gen. pl. in -ōn occurs in the word mētāmorphoseōn as part of the title of Ovid's work.
- (β) Neuter. Nom. in -ī. Cappāri, gummi (or cummi), 487 sināpi, &c. These three are also found with nom. in -īs, acc. in -īm.

3. Consonant stems.

The Greek forms are: Singular gen. -ōs (Lat. -īs); acc. -ā 488 (Lat. -em); Plural nom. -ōs (Lat. -ēs). Other differences apply only to particular stems.

(a) Labial stems:

489

- āp e.g. Lælaps (m.).
 -ōp e.g. Æthiops (m.), Pēlops (m.).
 -ōp e.g. Cŷclops (m.).
 -ŷph e.g. gryps (m. In plur. also gryphī, gryphōrum, gryphis).
 -āb e.g. Arabs (m., also nom. Arābus; abl. Arābō).
 -ŷb e.g. Chālybs (m.).

(b) Guttural stems:

490

- āc e.g. anthrax (f.), Cōrax (m.).
 -ōc e.g. Cappādox (some cases from stems in -o in post-Augustan writers).
 -ŷc e.g. Eryx (m. acc. Erycum; abl. Eryco Cic. Tac.).
 -īc e.g. chœnix (f.), Cīlix (adj.), hystrix (f.).
 -āc e.g. thōrax (m.), Ajax (m.), Thrax (m.), Phæax (m.).
 -ŷc e.g. Ceyx (m.), bombyx (m.).
 -ŷch e.g. ōnyx (m. f.), sardōnyx (f.).
 -nc e.g. lynx (f. rarely m.).
 -ŷg e.g. Phryx (m.), Styx (f.), Iāpyx (m.).
 -ŷg e.g. coccyx (m.).
 -ng e.g. Sphinx (f.), syrinx (f.), phālanx (f.).

491

(c) Dental stems: (a) stems in -t.

492

- āt (1) Neuter. Nom. s. in -ā: Plural nom. in -tā; gen. in -tōrum; dat. abl. in -tīs, sometimes in -tibus.
 e.g. diplōma, emblōma, ēpigramma, pārāpēgma, pēri-strōma, plasma, pōēma, prōblōma, tōreuma. The early scenic poets and Sueton. treated schema as having an -a stem with short penult (but Nævius has schēmātē): Varro is said to have used schēmāsīn as the dat. plur. In Plautus glaucūmam (acc.) for γλαύκωμα (n.).

(2) Neuter. Nom. s. in -ās; e.g. artōcreas, būcēras, ērysipēlas.

- īt Nom. s. in īs; e.g. Chāris (f.).
 Neuter. Nom. s. in -ī; e.g. oxŷmēlī, hydrōmēlī.
 -ōt Nom. s. in -ōs; e.g. Ægōcēros (m.), rhīnōcēros (m.), Eros (m.).
 -ēt Nom. s. in -ēs; e.g. lēbes (m.), magnes (m.); Crēs, Dāres, Thāles, Chrēmes, Phīlōlāches, &c. The last three have

493

494

also forms as from -1 stems; e.g. **Thālem**, **Thāli**, **Thāle** (§ 484. It has vowel, not dental, stem in Herodotus and Attic Greek).

-ēth Nom. s. in **-ēs**; e.g. **Parnes**.

-ant Nom. s. in **-as**, rarely in **-ans**; acc. in **-anta**, often in 495 poets; vocative sometimes in **-ā**; e.g. **Calchā**, **Pallā**.

e.g. **ādāmas** (m.), **gigas** (m.), **ēlēphas** (m. the other cases most frequently formed as from a stem in **-anto**); **Atlas** (m.), **Calchas** (m.), **Cōrēbantes** (m. plur.), **Pallas** (m.), **Thoas** (m.).

For the Greek forms **Acrāgas** (m.), **Tāras** (m.) in prose we have regular **-o** stems; e.g. **Agrigentum**, **Tārentum**.

-ont Nom. s. in **-ōn**. All masculine.

496

e.g. **hōrizon**, **seazon**, **Anacreon**, **Autōmēdon**, **Chāron**, **Phaēthon**, **drāco**, **chāmāleon**, **Creon**, **Antīphon**, **Xēnōphon**.

The last three words, and others ending in **-phont**, have in Plautus and Terence and sometimes in Cicero stems in **-phōn**, nom. **-pho**, only; e.g. **Otēsīpho**, acc. **Otesīphōnem**, &c.

-unt Nom. s. in **-us**.

497

e.g. **Pessinus** (m.), **Sēlinus** (f.), **Trāpezus** (f.). For **Σιπώνης** Cicero has **Sipontum**; Lucan and Silius **Sipūs** (m.); so in Livy and Pliny, **Hydruntum** (**Υδροῦς**). **Acheruns** (Plaut., Lucr.), **Acheron** (Cic. &c.).

-ent Nom. s. in **-is**; e.g. **Sīmois**.

-ynth Nom. s. in **-ns**; e.g. **Tīryns**

(β) Stems in -d.

In nom. sing. **-d** gives place to **-s**.

498

-ād Nom. s. in **-ās**. All feminine; e.g. **hebdōmas**, **lampas** (acc. s. generally **lampāda**); **Pallas** (dat. s. **Pallādī** once); **Arcas**, **Oýclas**, **Drýas**, **Hāmādryas**, **Hýas**, **Ilias**, **Mānas**, **Nōmas**, **Orēas**, **Pleias**, **Thyas**.

A few instances of gen. pl. in **-ōn** occur; e.g. **hebdōmādon**, **Arcādon** (Varr.); and of dat. pl. in **-āsīn**; e.g. **Hāmadrýāsīn**, &c. (Prop.); **Trōāsīn**, **Lemniāsīn** (Ovid).

-ōd Nom. s. in **-ūs**; e.g. **trīpūs** (m.), **dāsýpus**; **Melampus**, 499 m. (voc. **Melampu**, once in Stat.). From **Ædīpus** (m.) the following forms are found, chiefly in Seneca (*Trag.*) and Statius: nom. **-ūs**, **-ōdes**; voc. **-ē**; acc. **-um** (Cic.), **-ōda**? **-ōdem**, **-ōden**; gen. **-ōdis** (Cic., Stat.), **-ōdæ** (Sen., Stat.); dat. **-ōdæ**; abl. **-ōde** (Cic.), **-ōdā**.

-ŷd Nom. s. in **-ŷs**; voc. in **-ŷ** in poets; e.g. **chlāmŷs** (f.), **pēlāmŷs** (f.), **lāpŷs**.

-Id Nom. s. in **-Is**; voc. in poets (not Plaut. or Ter.), frequently in **-I**. Other Greek forms are frequent; dat. sing. in **I** occurs once, viz. **MīnōIdI** (Catul.).

As regards the acc. s. these stems fall into two classes:

(1) Acc. s. in **-Idem** in prose and præ-Augustan poets; in **-Idā** in post-Augustan poets. All feminine.

Appellatives: e.g. **ægIs**, **aspIs**, **canthāris**, **endrōmis**, **ēphēmēris**, **hērōIs**, **pēriscellIs**, **prōboscIs**, **pŷrāmis**, **pyxis**, **tŷrannis** (acc. s. in **-Idā** once in Cicero).

Names of persons: e.g. **AmāryllIs**, **BacchIs**, **ChrŷsIs**, **Dōris**, **LāIs**, **Lŷcōris**, **PhyllIs**, **ThāIs**.

Patronymics, &c.: e.g. **BrīsēIs**, **CadmēIs**, **ColchIs**, **GnōsIs**, **MīnōIs**, **PrīāmēIs**, **Salmōnis**, **Tītānis**.

Names of countries: e.g. **AulIs**, **ChalcIs**, **Locris**, **PersIs**, **Phōcis**.

(2) Acc. s. in **-Im** or, sometimes, esp. in Augustan and post-Augustan poets, **-In**. So all masculines and some feminines. An abl. or dat. s. in **-I** is found in some; e.g. **Eupōli**, **Osiri**, **Phālāri**, **Thēti**, **Sēmīrāmi**.

Appellatives: e.g. **IbIs** (f., also in plur. **ibes**, **ibium**), **Iris** (f.), **tigrIs** (both river and animal, also declined as if with stem in **-I**. Dat. abl. plur. only **tigribus**).

Names of persons. Masculine; e.g. **AlexIs**, **Adōnis** (in Plautus once acc. **Adoneum**), **DaphnIs**, **Eupōlis**, **NabIs**, **Pāris** (the last three have acc. also in **-Idem**), **MōerIs**, **ThŷrIs**, **ZeuxIs**, **Anūbis**, **Busiris**, **Osiris**, **Serāpis**.

Feminine; e.g. **IsIs**, **Sēmīrāmis**, **ProcrIs**, **ThētIs**.

Names of countries: e.g. **Phāsis** (f.), **Phthiōtis** (f.) have also acc. in **-Idem** or **-Idā**.

-Id Nom. s. in **-Is**; e.g. **apsIs** (f.), **crēnis** (f.). (From *κρηπίδ*- we have only an **-a** stem, **crēplda**.)

(d) Stems in **-n**.

503

These generally retain **-n** in nominative (except some in **-ōn**); acc. s. frequently in **-ā**; plur. in **-ās**.

-ōn Nom. s. usually in **-ōn**; gen. s. sometimes in **-nōs**; e.g. **cānon** (m.), **dæmon** (m.), **gnōmon** (m.), **sindon** (f.), **Arion** (m.), **Gorgon** (f.), **Memnon** (m.), **Ixion** (m.).

Some have also nom. s. in -o; e.g. *Agāmemno* (m.), *Amphio* (m.), *Lācēdæmo* (f.), *Mācēdo* (m.), *Strymo* (m.).

Iāsōni dat. sing. in *Statius*.

-ēn e.g. *Phlōpōmen*.

-ān Masculine; e.g. *pæan*, *Alcman*, *Acarnan*, *Titan* (rarely 504 declined as with -o stem), *Pan* (acc. s. always *Pāna*).

-ōn Mostly masculine.

Names of persons and things. Nom. s. usually in -o; 505 e.g. *arrhābo* (sometimes f.), *myōpāro*, *sipho*, *Apollo* (also e.g. *Apollīnem*), *Lāco*, *Amphītruo*, *Drōmo*, *Phormio*, *Sīmo*, *Trānio*, *Dio*, *Hīēro*, *Mīlo*, *Parmenio*, *Plato*, *Pyrrho*, *Zeno*. So also stems in -phōn, see § 496.

But *Triton*, *Tēlāmon*, *Chiron*.

Names of places. Nom. s. usually in -on; e.g. *Cōlōphon* (m.), *Mārāthon* (f.), *Sicyon* (f.), *Bābylon* (f.), *Cālȳdon* (f.), *Hēlicon* (m.), *Cithæron* (m.), (*Rūblco* (m.), is not a Greek word). For *Ancon*, *Crōto* (m.), we have often -a stem, viz. *Ancōna*, *Crōtōna*.

-ēn e.g. *attāgen* (m. Also a stem in -a, *attagena*); *Siren* (f.), 506 *splen* (m.), *Trōezen* (f.).

-īn e.g. *delphin* (m. usual nom. *delphīnus*); *Eleusin* (f.), *Trāchīn* (f.). Rarely nom. s. in -s; e.g. *Sālāmis* (f.).

(e) *Stems in -s or -r*: exhibit simple stem in nominative. 507

-ār e.g. *nectar* (n.).

-ōr all masculine, e.g. *rhētor* (m.), *Amyntor*, *Antēnor*, *Castor*, *Hector*, *Mentor*, *Nestor*.

-ūs (ūr) Nom. s. in -us; e.g. *Līgus*.

-ēr Nom. s. in -ēr; e.g. *āer*; (m. acc. s. usually *āērā*, but *aerem* in *Cato* and *Celsus*); *æther* (m. acc. always *æthērā*).

-ēr e.g. *chāra* (m.), *crāter* (m.) acc. *crātēra* (Cic.). Also with stem in -a; nom. s. *crātēra* and *creterra*. For *panther*, *stater*, we have always *panthēra*, *statēra*.

CHAPTER XV.

ADVERBS AND CONJUNCTIONS.

ADVERBS and Conjunctions are indeclinable words, some of 508 them cases of existing words, others cases of lost words, others words with case-suffixes, different from those in common use in Latin, others mutilated remnants of fuller expressions.

They are here arranged according to the final letter of the ending, which sometimes is a suffix, sometimes part of the stem or some modification thereof.

-ā Abl. sing. fem. from -o or rather -a stems. (Cf. § 1120.) 509

ea, in that direction; hac, illac, and (Plaut., Ter.) illa; alia; qua, quaque, quanam, qualibet; nequaquam, by no means; usquequaque, everywhere; utralibet, in whichever direction you please. These ablatives are often used with *tenus*; e.g. *eatenus, thus far, hactenus, quatenus, quadamtenus, aliquatenus*. So *circa, about; juxta, close; erga, towards*.

Supra (supera Lucr. often), above; infra, below; extra, outside; intra, within; ultra, beyond; citra, on this side; contra, against. (See § 160. 6.) So *frustra (in Plaut. sometimes frustrā; ne frustra sis, not to deceive you), in vain*.

So with prepositions, which in the ordinary language take an accusative; e.g. *antea (antidea old), antehac (antidhac old), before; postea (postidea old), posthac, afterwards; interea, meanwhile; præterea, præterhac, besides; propterea, therefore; quapropter, wherefore*. These expressions may be compared with *paucis post diebus, &c.*

-ā Apparently accusatives plur. neut. 510

ita, thus (comp. iti-dem); quā, whereas; aliuta (in old law), otherwise: it stands to aliud, aliut in same relation as ita to id.

-æ *præ, in front (old locative?).*

-ō Adverbs chiefly of manner (e.g. *certo* for *certod*; comp. 511 *οὕτως, οὕτω*).

(1) from substantives.

ergo, on account of, therefore (ἐργω); *extemplo*, at once (*extempulo*, diminutive of *extempore*); *illico*, on the spot, instantly (*in loco*); *mōdo*, only, just now (lit. in measured terms); *numero* (*præ-Ciceron.*), just (*Pl. Amph.* 180), quickly (*Varr. R. R.* 3. 16. 7), usually too soon (lit. by number?); *oppīdo* (*præ-August.*), very (lit. on the plain, cf. ἐπιπέδω); *postmodo*, afterwards (cf. § 528); *præsto*, at hand; *prōfecto*, really (for *pro facto*?); *propemodo* (*Pl. Ps.* 276), almost (cf. § 528).

(2) From noun adjectives and participles.

arcano (*Plaut.*), secretly; *assiduo* (*Plaut.*), constantly; *certo*, for a certainty; *cito*, quickly; *continuo*, straightaway; *crebro*, frequently; *denuo*, afresh (*de novo*); *directo*, directly, straight; *falso*, falsely; *fortuito*, by chance; *gratuito*, gratuitously; *liquido*, clearly; *manifesto*, palpably; *merito*, deservedly; *mutuo*, mutually; *necessario*, necessarily; *omnino*, entirely (as if from an adj. *omninus*); *perpetuo*, perpetually; *precario*, on sufferance; *raro*, seldom; *secreto*, secretly; *sedulo*, actively; *serio*, seriously; *sero*, late; *subito*, suddenly; *supervacuo* (*post-Aug.*), superfluously; *tuto*, safely; *vero*, indeed, no doubt.

bipertito, *tripertito*, *quadripertito*, divided into two, three, four; *improvisō*, unforeseen; *inaugurato*, without taking auspices; *inopinato*, *necopinato*, unexpectedly; &c.

(3) Ablatives of order.

primo, in the first place; *secundo*, *tertio*, &c.; *postrēmo*, *ultimo*, in the last place; *immo* (*imo*, at the bottom?) at the least, nay rather.

(4) Direction towards a place.

eo, thither; *eodem*, to the same place; *eousque*, *adeo*, so far; *quo-ad*, as long as; *huc* (for *hoc*), hither; *adhuc*, hitherto; *illo*, *illuc* (*illoc* *Plaut.*), thither; *isto*, *istuc* (*istoc* *Plaut.*); *alio*, elsewhither; *quo*, whither; *quonam*, *quovis*, *quocumque*, *quoquo*, *quousque*; *aliquo*, somewhither; *citra*, to this side; *ultra*, further; *intro*, inwards; *retro*, backwards; *utro* (rare), to which of the two sides; *utroque*, in either direction; *neutro*, in neither direction.

porro, further (πόρρω); *quocirca*, cf. § 160. 11.

-o-vorsus or **o-vorsum**, lit. turned towards; but **vorsus** and **vorsum** ⁵¹² were used indifferently and not inflected.

horsum, hitherwards (*ho-vorsum*); *quorsus*, *quorsum*, whitherwards? *istorsum*, *illorsum* (*Cato ap. Fest.*), *aliorsum*, *aliquovorsum*, *utroquevorsum*, *altrovorsum* (*Plaut.*, &c.), *qvoqvoversus* (*Cic.*), *qvoqveversum* (*Cæs.*).

controversus (adj.), *in dispute* (turned against); introrsus, introrsum; retrorsum, dextrorsum, sinistrorsum.

deorsum, *downwards*; seorsum, *separately* (se-vorsum, turned to itself, or turned aside); sursum, *upwards*; prorsum, prorsus, *forwards*; rursum, rursus, *backwards again*. (Susum, prosum, rusum (russum), are forms also found in Plaut., Lucret., &c.)

-do quando, *when* (quam-do); aliquando, *sometimes*; quando-⁵¹³ que, *whenever, some time or other*; quandocumque, *whenever*; endo, also indu, old forms of in; (comp. induperator for imperator, Enn., Lucr.; indigeo, indipiscor, &c.).

-ū diu, *for long*; interdiu (interdius Cato, Plaut., cf. ⁵¹⁴ § 828), *in the daytime*; noctu, *by night*; simitu (also, in an Augustan inscription, simitur), *at the same time*; dudum, *a long time* (for diu-dum).

-ē Apparently old forms of ablative. (Comp. facillumed in ⁵¹⁵ S. C. de Bacc.) From adjectives with -o stems both positive and superlative.

e.g. ægre, *hardly* (ægro-); blande, *soothingly* (blando-); certe, *surely* (certo-); considerate, *with consideration* (considerato-); docte, *skilfully* (docto-); plane, *quite* (plano-); ornate, *in ornate manner* (ornato-); promisce (Liv. 5. 48); recte, *rightly* (recto-); sane, *of course* (sāno-); valde, *very* (valido-); vere, *truly, actually* (vero-); &c.

ardentissime, *most eagerly*; audacissime, *most boldly*; creberrime, *very frequently*; doctissime, *very skilfully*; maxime, *especially*; minime, *least of all*; pænissime (Plaut.), *very nearly*; &c.

apprime (præ-Ciceronian), *exceedingly* (ad-primo); fere, ferme (superlative of fere?), *almost*.

+ē (1) From -o stems; bēnē, *well* (bono-); male, *badly* ⁵¹⁶ (malo-); inferne, *below* (inferno-); superne, *above* (superno-). Perhaps here belong tēmēre, *rashly*; mactē, *blest*. (Some take mactē for a vocative; but it appears to be invariable in form, though used with a plural (cf. however, Plin. H. N. II. 12), or as an oblique predicate.)

(2) From other stems; abunde, *abundantly*; ante (for antīd), *before*; forte, *by chance* (abl. of fors); facillē, *easily* (facili-; comp. dulce ridens, &c.); impūne, *with impunity* (as if from adj. impunis); māgē (cf. māgis, § 545), *more*; pæne, *almost*; rēpente, *suddenly* (repenti-); rīte, *duly*; sæpe, *often*; sponte, *of its own accord* (abl. of a nom. spons); sublime, *aloft* (sublimi-); vōlūpe (or better volup), *with pleasure* (almost always with est).

So the ablatives *māne*, *in the morning*; *lūce*, *by daylight*; *nocte*, *by night*; *magnopere*, *greatly* (*magno opere*).

hercle, 'pon honour (for *hercules*. See Syntax).

- pē A form of *que* (compare *quispiam*, *quisquam*); *nem-pe*, 517 *indeed* (*nam-pe*, comp. *namque*); *quippe*, *indeed* (for *qui pe?* comp. *utique*); *prōpe*, *near* (comp. *proximus*, § 754, a).
- vē Perhaps for *vel*. *Sive* (old *seve*, hence *seu*), *or if*; *neve* 518 (*neu*), *or not*.
- cē *ceu*, *as* (for *ceve*, *cē* being of pronominal origin?). 519
hīc, *illīc*, &c., see § 524. 3; *ecce*, *behold* (for *ence*); *sīc*, *thus* (cf. § 524).
- qvē Appended to pronouns (a kind of reduplication); e.g. 520 *quisque*, *each*; *quandoque*, *whenever*; *quicumque* (*quiquomque*), *whosoever*; *ubique*, *everywhere*; *undique*, *from all sides*; *utique*, *anyhow*; *usque*, *ever*; *uterque*, *each*. Also *absque*, *without* (*abs*); *atque* (*ac*), *and also* (for *ad-que*, cf. p. 50); *nēque* (*nec*), *not*; *namque*, *for*.
- ptē e.g. *suopte*; see § 389. For *pōte?* comp. *utpote*, *as*. 521
- dē i.e. the preposition *de* shortened by losing the accent?; 522 e.g. *inde*, *thence* (*im-dē*); *indidem*, *from the same place*; *deinde*, *exinde*, *thereupon*; *proinde*, *perinde*, *just so*; *subinde*, *immediately afterwards*, *repeatedly*; *unde*, *whence* (*quom-* or *cum-dē*); *undique*, *from all sides*; *undecumque*, *whencesoever*; *quamde* (*Enn.*, *Lucr.*), *than*.
- nē *sine*, *without*; *pōne*, *behind* (for *pos-ne* comp. § 535, and for *-nē* comp. *supernē* from *supernus*).
nē, *not*, *lest*; *nē* (wrongly written *næ*), *verily* (comp. 523 *val*, *vñ*); *nē* interrogative particle, perhaps the same as *nē*. Comp. *nē-fas*, *nē-quis*, *nē-vis*, § 728.
- ī (rarely ī) (ī) Ablative cases of manner. 524

qui, (interrogative and relative like *ut*), *how*, *in which case*; *quin*, *why not?* *but* (*qui-nē*); *aliōqui*, *alloquin*, *ceteroqui*, *ceteroquin*, *in other respects* (the final *n* is of obscure origin); *nequiquam*, *by no means*; *atqui*, *but*; perhaps also *quippe*; *si*, *if* (abl. or loc. of pronoun, *in which case*); *nisi*, *unless* (for *ne si*); *quidem*, *indeed*; *si-quidem*, *if indeed*, *since*; *quāsi*, *as if* (*quam si*); *sic*, *thus* (*si-cē*, *in which* or *this way*); *ni*, *not* (for *nē*, *nei*), also used as = *nisi*; *quidni*, *why not?* *utī* (*ut*), *how* (for *quo-tī*); *utique*, *any how*; *utīnam*, *O that!* *ne utīquam* (*nūtiquam*), *by no means*. (For *itīdem* see §§ 510, 531.)

(2) *præfascini* (also *præfascine*), *without offence* (*præ fascino-*, for i.e. *to avert bewitchments*); *proclivi* (or *proclivē*), *downward* (*proclivi-*, old stem *proclivo-*); *brevi*, *in few words* (*brēvi-*).

(3) Locative cases; *illi, isti* (Plaut., Ter.); *illuc, istuc*, *there* (*illo-, isto-*); *hic, here* (*ho-*); *pridem*, *some time ago*; and perhaps *hieri* (in Quintilian's time *herē*), *yesterday*; *peregrī*, more commonly *peregre*, *abroad, from abroad*; *temperi*, *in good time* (*tempos-*); and others; see in Syntax.

-bi *ibi*, *there* (*is*); *inibi*, *therein*; *postibi* (Plaut.), *thereupon*; ⁵²⁵ *interibi* (Plaut.), *in the meantime*; *ibidem*, *in the same place*; *ūbi*, *where* (for *quobi, cubi*); *ubique*, *everywhere*; *ubicumque*, *wheresoever*; *si-cūbi*, *if anywhere*; *ali-cubi*, *somewhere*; *alibi*, *elsewhere* (*ali-*); *utrūbi*, *at which of two places* (*utro-*); *utrūbique*, *at both places*.

-b *ab* (*abs*), *from*; *ob* (*obs*), *opposite to*; *sūb* (*subs*), *under*.

-am *jam*, *now*; *etiam*, *also* (*et jam*); *quoniam*, *since* (*quom* ⁵²⁶ *jam*); *nunciam* (Plaut.), *now* (*nunc jam*); *nam*, *for*, (? *now*); *quam*, *how, as*; *quamquam*, *however, although*; *aliquan-do*, *sometimes*; *aliquamdiu*, *for some time*; *nūti-quam* (§ 524), *not at all*; *uspiam, usquam*, *any where*; *nusquam*, *no where*; *præquam*, *compared with*; *tam*, *so*; *tamquam*, *as if*; *tandem*, *at length*.

cōram, *face to face* (*com, os-*); *clam*, *secretly* (comp. *oc-cul-o*, *conceal*); *obviam*, *opposite* (*obvio-*; or *ob viam*, comp. *obiter*); *pālam, prōpalam*, *openly* (*pad-? pandere*); *perpēram*, *badly* (*per-per-am? thoroughly?*); *promiscam* (Plaut.), *promiscuously*; *protinam* (Plaut.), *immediately*.

So the compounds with *fāriam*; e.g. *bifariam*, *divided in two* (*bi-*); *trifariam, quadrifariam; multifariam*, *in many places*; *plurifariam*, *in several places*.

-dam *quondam*, *at one time*. (Comp. *quidam*, *a certain one*.) ⁵²⁷

-om (um) Probably accusative cases.

dōnīcum (Plaut., *donique* Lucr., *donec* commonly), ⁵²⁸ *until*; *dum*, *while*; *dū-dum*, *a long time* (*diu dum*); *interdum*, *for a time*; *quidum*, *how so?* *primumdum*, *first of all*; appended to imperatives, e.g. *agedum*, *come now*; *manedum*, *stop pray*; &c.; *num* (in questions), *now?* *nunc* (i.e. *num-ce*), *now*; *etiamnum*, *evennow*; *quom, cum*, *when* (*quo-*); *quom* (sometimes in *præ-Augustan* inscr.), *com* (in composition), *cum* (prep.), *with* (comp. *ξύν*); *quon-dam*, *at one time* (*quom-dam*); *quandocumque*, *whensoever*; *tum, tunc, then*; *umquam*, *ever* (*um* for *quom*; cf. § 121. 3); *numquam*, *never* (*ne umquam*); *nonnunquam*, *at times*.

actūtum, *instantly* (*on the move? actu-*); *circum*, *round* (*circo-*); *clancūlum*, *secretly* (*clam*, cf. § 862. c); *com-mōdum*, *suitably, just now* (*commodo-*); *dēmum*, *at length*.

extrēmum, for the utmost (i.e. last) time (*extremo-*); *incassum*, to no purpose (*in cassum*); *minimum*, in phrase *quam minimum*, as little as possible (*minimo-*); *nimum*, too much; *nonum* (generally contracted to *nōn*), not (*ne ūnum*); *pārum*, little; *pārumper*, for a little while; *plerumque*, for the most part (*plero-, que*); *postmodum* (Liv.), afterwards (cf. § 511. 1); *postrēmum*, for the hindmost (i.e. last) time (*postremo-*); *potissimum*, especially (*potissimo-*); *primum*, for the first time (*primo-*); *propemodum*, almost (cf. § 511. 1); *Itērūm* (§ 888), for the second time; *tertium*, *quartum*, &c.; *ultimum*, for the furthest (i.e. last) time; *secundum*, prep. following, along (*sequondo-*). For *rursum*, *adversum*, &c. see § 512.

Impræsentilārūm, at the present time (for *in præsentia rerum*? cf. § 28. 2).

- em *propēdiem*, very shortly (for *propē diē*, on a near day?)
- tem *autem*, however; *Item*, likewise (comp. *ita*, *itidem*); *saltem*, at least.
- dem *quidem*, *equidem* (for *et quidem?*), indeed; *pridem*, some-
time ago; *tandem*, at length (*tandem*); *tōtidem*, just so
many; *itidem*, likewise (*ita*); *identidem*, repeatedly (for
Idem itidem? or *Idem et Idem?*). (Comp. *Idem*, the
same, for *is-dem*; *tantusdem*.)
- im denotes at or from a place; *hinc*, hence (*hinc cē*); *illim*,
istim, *illinc*, *istinc*, thence; *im in inde* (§ 522), thereupon;
exim, *exin*, *exinde*, therefrom; *dein*, *deinde*, thereupon;
inter-im, meanwhile; *ōlim*, in those times, i.e. formerly or
hereafter (*ollo = illo*); *ēnim*, for (i.e. *in im?*); *utrinque*,
on both sides (*utro-*).

altrinsecus (for *altrimsecus*; Plaut.), on the other side;
extrinsecus, from outside; *intrinsecus*, from within; *forinsecus* (Col., Plin.), from out of doors (comp. *foris*).

- t-im (sim) Formed from or similarly to past participles; e.g. *cæsim*,
edgewise (*cædere*); *carptim*, by pieces, separately (lit.
plucking at it, *carpere*); *cautim*, cautiously (*cavēre*); *con-*
fertim, compactly (*confercīre*); *confestim*, immediately
(*confērīre?* cf. § 704); *conjunctim*, unitedly (*conjun-*
gere); *contemptim*, scornfully (*contemnere*); *cursim*,
swiftly (*currere*); *dispersim*, dispersedly (*dispergere*);
efflictim, desperately (*effligere*, to kill, hence *efflictim amāre*,
to love to death); *exsultim*, friskingly (*exsillīre*); *furtim*,
by stealth (*fur*, a thief, *furā-ri*); *incisim*, in short clauses
(*incidere*); *juxtim*, close at hand (comp. *juxta*); *mixtim*,
mingling (*miscēre*); *partim*, partly (*parti-*); *passim*, here
and there (in a scattered way, *pandere*); *pēdētentim*,

feeling the way (pede tendere); *praesertim*, especially (*putting in front*, praeserere); *punctim*, pointwise (pungere); *raptim*, hurriedly (rapere); *sensim*, gradually (lit. perceptibly, sentire); *statim*, immediately (lit. as you stand, stå-, stære); *strictim*, slightly (lit. grazing, stringere); *tractim*, in a long-drawn way (trahere); *vicissim*, in turns (vici-); *ubertim*, plentifully (uber-), &c.

-āt-im (1) From verbs with -a stems; e.g. *acervatim*, in heaps, 534 summarily (acervā-re); *centūriatim*, by centuries (centuriā-re); *certatim*, vying with one another (certā-re); *citātīm*, at full speed (citāre); *dātātīm* (datatim ludere, to play at ball), giving and regiving (dātā-re frequentative of dāre); *grāvatim*, with difficulty (gravārī); *minūtātīm*, by bits (as if from minutare); *nōminatim*, by name (nomināre); *privatim*, individually (privāre); *propēratim*, hurriedly (properāre), &c.

(2) From nouns (compare *barbatus*, &c.); e.g. *cātervatim*, in troops (caterva-); *gēneratim*, taking classes (genus); *grādatim*, step by step (gradu-); *grēgatim*, in flocks, herding together (grēg-); *membratim*, limb by limb (membro-); *ostiatim*, from house to house (ostio-); *paullatim*, little by little (paullo-); *pectīnatim*, combwise (pecten-); *regionatim*, region by region (regiōn-); *singillatim* one by one (comp. singulo-); *summatim*, slightly, summarily (taking the tops, summo-); *turmatim*, by squadrons (turma-); *vīcatim*, street by street (vico-); &c. Plautus used also *tuatim*, after your fashion (tuo-); Sisenna had *nostratim*, and *meatim* is mentioned by the grammarians.

-īt-im *minūtīm*, in small pieces (minuere); *tolūtīm*, full trot (raising the feet, tollere); *tribūtīm*, tribe by tribe (tribu-).

-īt-im *vīritīm*, man by man (vīro-).

-t *ast*, but; *at* (for ad?), but (also *atque*, *atqui*); *aut*, or 535 (comp. αὐτε); *et*, and (comp. εἰτε); *ūt* (for uti), as (prout, præut, sicut, velut); *post*, after (also *pos*, *poste*, *postidea*; comp. ante, antidea). *Sāt* is shortened for *satis*. For -met see § 389.

-d Old ablative suffix? cf. § 160. 6; *ād* (cf. § 160. 10), to; 536 *āpūd*, at; *haud* (or *hau*), not; *sed*, but (properly by itself?). *Quōd*, because, is neut. acc. (comp. ὅτι), but in *quod si*, *quod quia*, *quod utinam* is by some taken to be an old ablative (see Ritschl, *N. Plaut. Exc.* p. 57).

-n *quīn*, why not? (qui ne); *sīn*, but if (sī ne, if not?): 537 (comp. viden, audin, &c.); *ān*, whether; *forsan*, *forsitan* (fors sit an), perhaps; *tāmēn*, yet; *ēn*, lo! in (cf. § 513), in.

- 1 *pröcül, off, afar; simül, older semol (for simile), together; sēmēl, once; vël, or (probably imperative of volo, hence choose).* 53⁸
- ur *igitur, therefore; quor or cūr, wherefore (for qua re).* 53¹
For *simitur* see § 514.
- ēr Suffix of comparative degree: *sūper, above (higher; sub, up); desuper, insuper. Per, through; ter (for tris, cf. § 429), thrice; quāter, four times.*
- pēr *nūper, lately (novumper); pārumper, for but little time (parum); paullisper, for a little while (paullo-); quantisper (Pompon.), for how long (quanto-); tantisper, for so long (tanto-); semper, always (sim-, whole? comp. simplex, simul).* 54⁶
- tēr (1) From adjectives with -o stems: *duriter (also dure), hardly (dūro-); firmiter (also firme), firmly (firmo-); hūmāniter, inhumāniter (also humane, inhumane), politely, impolitely (humano-); largiter (also large), lavishly (largo-); longiter (Lucr.), far (longo-); nāviter, ignāviter (also nāvē, ignave), skilfully, unskilfully (gnavo-); luculenter (also luculente), brilliantly (for lūcūlentiter from luculento-); pūrī-ter (Catull., but commonly purē), purely (puro-); turbulēter (also turbulentē), confusedly (for turbulentiter from turbulento-); violen-ter, violently (violento-; the -i stem is not till Augustan time). Also from præ-Ciceronian writers are quoted: *æquiter, amīciter, ampliter, aspēriter, avāriter, aviditer, blanditer, iracunditer, mæstiter, misēriter, munditer, parciter, præclārīter, prīmīter, prognārīter, propēriter, proterviter, sæviter, sevērīter, superbiter, torviter*, and a few others. Also in Varro, *cadūciter, prōbiter*.*
- (2) From adjectives with -i stems, and one (supplex) with consonant stem: *acri-ter, eagerly (acri-); ali-ter, otherwise (ali-, § 373); aman-ter, lovingly (for amanti-ter); atrōci-ter, audac-ter, brēvi-ter, celēri-ter, clemen-ter (for clementi-ter), concordi-ter, constan-ter (for constanti-ter), cupien-ter (Plaut., Enn.), decan-ter, demen-ter, dilligen-ter, elēgan-ter, felici-ter, ferven-ter (Cæl. ap. Cic.), frequen-ter, grāvi-ter. indulgen-ter, laten-ter, lēni-ter, lēvi-ter, mediocri-ter, memōri-ter, with good memory, misericordi-ter, pāri-ter, salūbri-ter, scien-ter, simili-ter, simplici-ter, sollemni-ter, sollar-ter (for sollerti-ter), supplīci-ter, tenvi-ter, vernīli-ter, vigilan-ter, utili-ter, and others from stems in -nti, of which -ti is dropped before the suffix.*
- (3) From other words: *circi-ter, about (circo-); in-ter, between (in); præter, beside (præ); prop-ter, near (prōpe); sub-ter, beneath (sub).*

nēquī-ter, *badly* (nequam). **Obīter** (not ante-Augustan), *on the way*, is apparently ob īter (comp. obviam).

-s **abs** (ab, a), *from*; **bis**, *twice* (cf. § 76); **clis**, *on this side* 542 (comp. cl-tīmus); **ex**, *out* (ec in compounds, cf. § 113 and e); **mox**, *presently*; **obs** (ob), *on, opposite*; **subs** (sub), *under* (in subs-traho, &c.); **trans**, *beyond*; **uls**, *beyond* (comp. ul-tīmus); **us-quam**, **us-piam**, *anywhere*; **vix**, *scarcely*.

Deinceps, *next*, is like **particeps**, but indeclinable.

siremps (old), *alike*, according to Ritschl, for **si** (=sic) **re ipsa**, **m** being inserted as in **rumpo**, **cumbo**.

-is **alias**, *at other times*; **cras**, *to-morrow*; **fōras**, (to) *out of doors* (cf. § 1110).

-tis **mordī-c-us**, *with the teeth* (mordē-, mordēre); **sēc-us**, *other-* 543 *wise*; **tēnus**, *as far as* (subst. acc. s. extent? cf. § 1086); **prōtēnus**, *immediately*. **Emīnus**, *from a distance*; **commīnus**, *hand to hand*, are probably compounds of **manus**, *band*.

-tūs *from*; same as Greek -θεν (comp. γράφουμεν, scribimus). 544
antiquī-tus, *from of old* (antiquo-); **divīnī-tus**, *from the Gods* (divino-); **fundī-tus**, *from the bottom* (fundo-); **hūmānī-tus**, *after the manner of men* (humano-); **in-tus**, *from within* (in); **pēnī-tus**, *from the interior* (pēno-); **prīmī-tus**, *at first* (primo-); **publicī-tus** (Plaut., Ter. &c.), *on the public account* (publico-); **rādīcī-tus**, *from the root* (radīci-); **stirpī-tus**, *from the stock* (stirpi-); **sub-tus**, *underneath* (sub). From prae-Ciceronian writers also are quoted, **medullī-tus**, *from the marrow* (medulla); **immortālī-tus**, **ocūlī-tus**, **pugnī-tus**, and from Varro **communī-tus**.

-ēs **pēnes**, *in the possession of* (comp. pēnītus).

-is for -ios, the stem or neuter acc. of the comparative 545 suffix; e.g. **nīmīs**, *too much* (for nimios-); **māgis** (māgē, *sometimes*), *more* (for magios-); **sātīs** (also sāt), *enough*. **Fortassis** (fortassē), *perhaps*. Perhaps the same is the origin of -is in **paulis-per**, **tantis-per**, **quantis-per**, § 540.

Fōris, *out of doors*; **imprimis**, *in the first place*; **ingrā-** 546 **tīs**, *thanklessly* (gratīs); **multimodīs**, *manywise*; **quotan-** **nīs**, *yearly*, are locatives or ablatives.

-iens post-Augustan -iēs; the regular suffix for numeral ad- 547 verbs: **tōtiens**, *so often* (tot); **quōtiens**, *how often* (quot); **aliquōtiens**, *sometimes*; **plūriens**, *often* (plūs-); **quīnquē-** **iens**, *five times* (quinque); **sexiens**, *six times* (sex); **septiens**, *seven times* (septem); **dēciens**, *ten times* (decem); **vīciens**, *twenty times* (for vicintiens, cf. § 28; from viginti); **duo-** **detrīciens**, *twenty-eight times*; **quīnquāgiens** (in Plaut. *Men.* 1161, **quīnquagensiens**), *fifty times* (quīnquaginta); **centiens**, *a hundred times* (centum); **quadrīngentiens**, *four hundred times* (quadrīngenti), and others. See App. D.

CHAPTER XVI.

INFLEXIONS OF VERB. INTRODUCTION.

LATIN verbs have inflexions to denote differences of voice, 543 person, number, mood, and tense.

1. There are two *voices*, the Active and the Passive (sometimes called Reflexive or Middle).

Some verbs have both voices, some have only the active, except in the third person; others, called deponents, have only the passive, but with the signification (apparently) of the active. (Cf. § 1215.)

2. Two *numbers*, the Singular and Plural.

In a few verbs no plural is found.

3. There are three *persons* (First, Second, Third) in each number. In the imperative mood there is no form for first person singular.

A few verbs are used only in the third person.

4. Three *moods*, Indicative, Subjunctive (often called Con- 549 junctive), Imperative.

5. (a) Six *tenses*, in the Indicative mood, active voice:

(a) Three, denoting incomplete action; the Present, Future, and Imperfect (sometimes called respectively, present imperfect, future imperfect, past imperfect).

(b) Three, denoting completed action; the Perfect, Completed Future, and Pluperfect (sometimes called respectively, present perfect, future perfect, and past perfect).

(b) In the Subjunctive mood there are only four distinct tense forms, called Present, Imperfect, Perfect, and Pluperfect. In the Imperative there are only the present and future.

Some verbs in the active and all verbs in the passive have in the 550 Indicative only three simple tense-forms, those of incomplete action, and in the Subjunctive only the present and imperfect. The deficiency of the tenses of complete action in the Passive voice is supplied by participles in combination with certain tenses of the verb of *being*.

Certain verbal nouns are from their mode of formation and 551 use usually treated in connexion with the verb. These are

(a) Two indeclinable substantives, called *Infinitives* (or the Infinitive Mood). They are the Present infinitive, denoting incomplete action, and the Perfect, denoting completed action.

(b) Three verbal adjectives, called *Participles*, the Present and Future belonging to the active voice; the Past participle belonging to the passive voice.

(c) A verbal substantive and adjective, called the *Gerund* and *Gerundive*, usually classed, the first with the active, the second with the passive voice.

(d) Two *supines*, i.e. the accusative and ablative (or dative) of a verbal noun.

The forms of the verb proper are often called collectively the Finite Verb; the verbal nouns above named are sometimes called the Infinite Verb.

The following are the usual English equivalents of the several tenses and verbal substantives connected with the verb: (See Book IV. Ch. XVIII. XX.)

FINITE VERB.

<i>Indicative.</i>	Active.	Deponent.	Passive.
Present. Sing. 1.	āmo <i>I am loving</i> or <i>I love</i>	prēcōr <i>I am praying</i> or <i>I pray</i>	āmor <i>I am being loved</i> or <i>I am loved</i>
Future. Sing. 1.	āmābo <i>I shall love</i>	prēcābor <i>I shall pray</i>	āmābor <i>I shall be loved</i>
3.	āmābit <i>He will love</i>	prēcābitur <i>He will pray</i>	āmābitur <i>He will be loved</i>
Imperfect. Sing. 1.	āmābam <i>I was loving</i> or <i>I loved</i>	prēcābar <i>I was praying</i> or <i>I prayed</i>	āmābar <i>I was being loved</i> or <i>I was loved</i>
Perfect. Sing. 1.	āmāvi <i>I loved or I have loved</i>	prēcātus sum <i>I prayed or I have prayed</i>	āmātus sum <i>I was loved or I am loved</i>
Comp. Future. Sing. 1.	āmāverō <i>I shall have loved</i>	prēcātus ēro <i>I shall have prayed</i>	āmātus ēro <i>I shall have been loved</i>
Sing. 3.	āmāverit <i>He will have loved</i>	prēcātus erit <i>He will have prayed</i>	āmātus erit <i>He will have been loved.</i>
Pluperfect. Sing. 1.	āmāveram <i>I had loved</i>	prēcātus eram <i>I had prayed</i>	āmātus eram <i>I had been loved</i>

Subjunctive.

Present. Sing. 1.	āmēm <i>I be loving or I love</i>	prēcār <i>I be praying or I pray</i>	āmēr <i>I be loved</i>
Imperfect.	āmārem <i>I were loving or I loved</i>	prēcārer <i>I were praying or I prayed</i>	āmārer <i>I were being loved or I were loved</i>
Perfect.	āmāvērīm <i>I have loved</i>	prēcātus sim <i>I have prayed</i>	āmātus sim <i>I were loved or I am loved</i>
Pluperfect.	āmāvissem <i>I had loved</i>	prēcātus essem <i>I had prayed</i>	āmātus essem <i>I had been loved or I were loved</i>

Imperative.

Present. Sing. 2.	āmā <i>love</i>	prēcāre <i>pray</i>	āmāre <i>be loved</i>
Future. Sing. 2.	āmāto <i>Thou shalt love</i>	prēcātor <i>Thou shalt pray</i>	āmātor <i>Thou shalt be loved</i>

VERBAL NOUNS.

553

Infinitive.

Present.	āmārē <i>to love</i>	prēcāri <i>to pray</i>	āmāri <i>to be loved</i>
Perfect.	āmāvissē <i>to have loved</i>	prēcātus esse <i>to have prayed</i>	āmātus esse <i>to have been or to be loved</i>

Participles.

Present.	āmāns <i>loving</i>	prēcāns <i>praying</i>	
Future.	āmātūrus <i>going to love</i>	prēcātūrus <i>going to pray</i>	
Past.		prēcātus <i>having prayed</i>	āmātus <i>having been or being loved</i>
Gerund.	āmāndum <i>loving</i>	prēcāndum <i>praying</i>	
Gerundive.	āmāndus <i>to love or to be loved</i>	prēcāndus <i>to pray or to be prayed</i>	

Every single word in the Latin (finite) verb is a complete sentence, the verbal stem being used, not by itself, but in combination with abbreviated forms of pronouns of the first, second, and third persons. 554

The principles, on which all verbs are inflected, are the same. The differences in detail which are found are due, some to the nature or ending of the stem of the particular verb, some to the unequal preservation of parts of an originally fuller system of inflexions.

The inflexions for tense, mood, person, number, and voice are⁵⁵⁵ attached to the stem in the order now given. The forms of the present tense, indicative mood, singular number, active voice, are the simplest, and arise from the union of the stem and personal pronouns. All other parts of the verb contain modifications for tense, mood, number, and voice; and of these the modifications for tense and mood are made between the stem and personal pronoun, and the inflexions for number and voice appended after them.

Thus *ræg-ër-ē-m-us* is the 1st pers. plur. active, imperfect subjunctive of a verbal stem meaning *rule*. *Ræg* is the stem, *ër* denotes past time, *ē* the mood of *thought* (instead of *fact*), *m* the speaker himself, *us* the action of others with the speaker. And, if for *-us* we have *-ur*, the speaker and others are passive instead of active.

These inflexions will be discussed in regular order, beginning, at the end of the word, with the most characteristic and universal inflexions.

CHAPTER XVII.

INFLEXIONS OF PERSON AND NUMBER.

THE suffixes, which denote person and number in the active⁵⁵⁶ voice, are the same in all tenses of the indicative and subjunctive moods, except in some persons of the perfect, and in the first person singular of the present and completed future of the indicative mood.

In the passive voice the inflexions for this purpose are the same in all tenses of the indicative and subjunctive moods, which are expressed by simple forms. (The tenses denoting completed action are expressed by compound forms.)

These suffixes are as follows, the initial vowel being given in 557 the oldest form (cf. § 196) in which, apart from early inscriptions, it appears in any verbs. For earlier forms, see § 234, and compare §§ 570, 581.

		Active.	Passive.	Perfect Active.
Singular.	1st person	-om	-or	-(I)
	2nd „	-is	-ēr-is	-(is)tī
	3rd „	-it	-it-ūr	-it
Plural.	1st „	-ūm-us	-im-ūr	-im-ūs
	2nd „	-it-is	-imīnī	-(is)t-is
	3rd „	-ont	-ont-ūr	-(er)unt

The short initial vowel of the suffix (ō, ū, ē, ī) is absorbed 558 by an immediately preceding a, e, or i; except (1) in the 1st pers. sing., if the m is not retained; (2) in the 3rd pers. pl. present, if -unt follow -i. In a few other verbs (*sum*, *do*, *fero*, *volo*, *edo*) some of these suffixes drop the initial vowel in the present tense.

FIRST PERSON.

The -m in the 1st person singular and plural is the same as is 559 seen in the oblique cases of the pronoun *me*.

Singular. -m is dropped (see § 86) in the singular of the pre- 560 sent indicative of all verbs (e.g. *reg-o*) except two; viz. *sum* (for *ēs-om*), *I am*, and *inquā-m*, *quoth I*; also in the completed future of all verbs, and in the future indicative of all verbs with stems ending in -a or -e, and of some with stems ending in -i; e.g. *āmābo*, *mōnēbo*, *Ibo*.

In a- verbs the final a is contracted with the initial of the suf- 561 fix; e.g. *am-o* for *ama-om*; *do* for *da-om*. Other vowel verbs retain their characteristic vowel; e.g. *trīb-u-o*, *mōn-e-o*, *aud-i-o*, *cāp-i-o*. But three i verbs change i to e; viz. *ēo* (stem i-), *queo* (stem qui-), and its compound *nēqueo*. *Inquam* has apparently a stem in ā, which except in 1st sing. pres. passes into i.

In the perfect indicative the personal suffix has dropped off al- 562 together. The final i has another origin. (See § 658.)

In the passive voice the only change from the active is the 563 addition of r, if the m has dropped away, or the substitution of it for m if the m has been retained in the active. This r is generally considered to be a substitute for s, the proper passive inflexion being, as is supposed, the reflexive pronoun¹ *se*.

¹ A passive formed by a reflexive pronoun is seen in Germ. *Das versteht sich von selbst*; French *Le corps se trouva*; Ital. *Si loda l'uomo modesto* ('The modest man is praised'); Span. *Las aguas se secaron* ('The waters were dried up'). KEY, *Lat. Gr.* § 379.

Plural. The vowel before **m** is weakened (see § 241) to **i** in ⁵⁶⁴ all verbs with stems ending in **u**, or in **i**, or in a consonant, except in the present indicatives of three verbs; viz. **sūmus**, *we are*, **vōl-ūmus**, and their compounds, and the old form **quæstūmus** (stem **quæs-**), *we pray*, where we have the older vowel **u**. **dā-mus** retains the radical **a**. With these exceptions the suffix is the same in all tenses of all verbs, except when the initial vowel is absorbed by a preceding **a**, **e**, or **i**.

The final **-us** is the part of the suffix which distinguishes the ⁵⁶⁵ plural number. By some it is considered to arise from the pronoun of the second person, by others from the pronoun of the third person; so that *we* (**-mus**) would be expressed by *I, thou*, or by *I, he*; by others again it is considered to be the same as the **s**, which is used to mark the plural of nouns.

In the passive the final **s** is changed to **r**.

SECOND PERSON.

The consonant contained in the suffix of the second person is **s** ⁵⁶⁶ in the singular, (changed before another vowel to **r** in the passive), and **t** in the plural. The perfect indicative has **t** in the singular also. The personal pronoun of the second person sing. in Latin (**tu**), and the Doric dialect of Greek (**τὺ**) exhibits this **t**; in the Attic dialect of Greek it exhibits **s** (**σὺ**).

Singular. In the present tense of **fēro**, **vōlo**, **ēdo**, the short ⁵⁶⁷ vowel (**i**) is omitted or absorbed; hence **fērs** (for **fērīs**), **vīs** (for **vōlīs**, **villīs**, **villīs**), and **ēs** (for **ēdīs**, **eds**). **es** (**ēs** Plautus and Terence, **ēs** in subsequent poets) is also the 2nd pers. sing. present indicative of **sum**.

All **a-**, **e-**, and **i-** verbs have the final syllable long; viz. **ās**, **ēs**, **īs**. (Not so the verbs with **i**; e.g. **capio**, **capīs**.)

In the perfect indicative the suffix for the second pers. sing. ⁵⁶⁸ ends in **-istī**, of which ending **-tī** is the proper personal suffix. (For the rest of the ending see § 658.)

In the passive **-ēris** (at first sight) appears to be formed by ⁵⁶⁹ placing the characteristic passive **r** before the personal suffix; the true theory however is no doubt that the passive suffix, with a short preceding vowel, being placed after the personal suffix caused the **s** between two vowels to change to **r**, necessitating also the change of the vowel **i** to **e** before **r**. The passive suffix itself (i.e. **s** for **se**, § 183) was allowed to remain **s**, instead of being changed to **r**, as usually, in order to avoid having two **r**'s close together.

-re (e.g. **amabare**, cf. § 193. 5. f. 234. 2) is more common than ⁵⁷⁰ **-ris** (e.g. **amabaris**) in Plautus, and, except in present tense, in Cicero

and Vergil. It is frequent in Horace, rare in Livy; and is usually avoided by all writers where the form would then be the same as the present infinitive active. Hence **-ris** is retained in pres. indic. with rare exceptions in verbs which have an active voice; but in deponents (where there is no risk of confusion, as the infinitive ends in **i**) **-re** is frequent in Plautus, sometimes found in Cicero; **-ris** is usual in Vergil and Horace.

Plural. The plural suffix **-itis** contains the personal pronoun ⁵⁷¹ of the second person (**t**), and the syllable **-is**, which is either a pronoun of the second person in its other form, or a suffix of plurality.

In the present tense of the four verbs named above (§ 567) the initial **i** of the suffix is again omitted: **fortis**, **vultis**, **estis**, for **fēritis**, **vōlītis** (§ 213 a), **ēdītis** (§ 151. 2), *ye eat*, and for (originally) **ēsītis**, *ye are*. So also in **dā-tis**.

In the perfect **s** is simply suffixed to the singular form.

In the passive voice the suffix **-imīni** is probably a masculine ⁵⁷² plural participial form. The Greek present passive participle is of the same form; viz. **-ōmēnōs**, plur. **ōmēnoi**. Originally, perhaps, **estis** was used with it, as in the perfect passive. (This form may have been resorted to because of the unpleasant forms which the course observed in forming the passive of other persons would have produced; e.g. **regitis-er**, **amātis-er** would become **rēgītērēr**, **amā-tērēr**, or, if the analogy of the 2nd pers. sing. were retained, **rēgītēris**, **amātēris**, which would then have come to **regetris**, **amātris** (§ 235. 2), or **rēgīter**, **amāter** (§ 184. 5); both of which forms look more like adjectives or adverbs than verbs.)

THIRD PERSON.

The **-t** in the suffix of the 3rd person, both singular and plural ⁵⁷³ in all tenses, is a demonstrative pronoun, found in the Greek (so-called) article, and in **iste**, **tot**, **talis**, **tantus**, &c.

Singular. In the present tense of **sum**, **ēdo**, **fēro**, **vōlo**, the short ⁵⁷⁴ vowel before **-t** is not found; viz. **est** (both for **sum** and **ēdo**), **fert**, **vult**, or (older) **volt**.

The third person sing. active of **a-**, **e-**, and **i-** verbs was originally long, as may be inferred from the passive voice (**amāt-ur**, **monēt-ur**, **audīt-ur**), and is actually found not unfrequently in Plautus, and sometimes in Augustan poets.

In the perfect active the suffix is the same as in the present ⁵⁷⁵ (**-it**). Plautus sometimes, and more rarely Augustan poets, have this **-it** long.

To form the passive, **-ur** is suffixed to the active form.

Plural. The plural suffix is usually **-unt**, but in præ-Augustan 576 inscriptions, in Plautus, and Varro, the older **-ont** was retained after **v** (or **u**); e.g. **vivont**, **confluont**, **loquontur**. The forms **nequont** and **sont** are also found (for **nequeunt**, **sunt**). Of this suffix the **t** is probably the same as in the singular; the origin of the **n** is uncertain.

The passive is formed (as in the singular) by suffixing **-ur** to the active form.

The perfect suffix is the same as the present, the ending being 577 **er-unt**, of which the **-er** is the same (cf. § 184. 3) as the **-is** (before **t**) of the second person. The penult (**-er**) is usually long, but the dactylic poets, beginning with Lucretius (not Ennius) often, and others occasionally, shorten it; e.g. **dormiērunt**, **locāvērunt**, **subēgērunt**, &c. (Plaut.), **ēmērunt** (Ter.); **dedērunt**, **fuērunt**, **exiērunt**, &c. (Lucr.).

For **-erunt** is rarely found **-eront** (cf. Quint. I. 4. 16); but **-ēre** 578 is found in some of the earliest inscriptions, and is not uncommon in Plautus and Terence, rare in Cicero and Cæsar, but frequent in dactylic poets and Livy.

In the completed future indic. the suffix-vowel is **i** instead of 579 **u** (**-erint** for **-erunt**); probably in order to avoid confusion with the perfect.

CHAPTER XVIII.

INFLEXIONS OF MOOD.

1. *Indicative Mood.*

THE indicative mood contains no special inflexions to distin- 580 guish it. The imperative and subjunctive moods are distinguished from it by certain modifications.

2. *Imperative Mood.*

(a) *Present.* The imperative *present* appears to consist of 581 shortened forms of the indicative present. The final **s** is thrown off, and **-i** is changed to **-ē** (or rather, as the form originally ended

in *-es*, the *s* is simply thrown off, cf. § 234. 2). Hence the active *rēgis* (older *rēgēs*) becomes *rēgē*; *rēgitis* (older *rēgētēs*), *regite*; the passive *rēgēris* (older *rēgērēs*), *rēgērē*: the 2nd pers. plural *rēgimīni* is the same as in the indicative. But from verbs with vowel stems in *a-*, *e-*, *i-* (not *i-*) the *s* is thrown off in the singular without further change; e.g. *amā*, *monē*, *audī*. The exceptional form *nolī* is formed from the 2nd pers. sing. of the *subjunctive* present.

In the verbs *dūco*, *fēro* (and their compounds), *fācio* (with 582 compounds which retain the radical *a*), and *dīco*, the final *e* of the singular was always dropped after Terence's time; e.g. *dūc*, *fēr*, *fāc*, *cālefac*, *dīc*. In Plautus and other poets the imperatives often occur before words beginning with a vowel, in which case it is difficult to decide between *duc* and *duce*; &c.

ēs or *ēs* (from *sum*, cf. § 720), *ēs* from *ēdo* were used for the imperative 2nd pers. sing. as well as for the indicative.

In verbs with short penult, and having vowel stems in *a-*, *e-*, *i-*, 583 and also in the compounds of *eo*, the imperative-forms in Plautus and Terence often shortened the final vowel (cf. § 295); e.g. *com-mōdā*, *mōnē*, *jūbē*, *ādī*, *ābī*; especially in colloquial forms; e.g. *mānēdum*, *tācēdum*, *mōnēsis*, *vidēsis*.

(*t*) *Future*. The *future* imperative active is distinguished by 584 a suffix, originally *-ōd*¹. In the form which is common to the second and third persons, e.g. *reg-īt-ō*, and the form for the third person plural, e.g. *regunto*, the *-d* has fallen off, as in the ablative case of nouns (cf. § 160. 6). The suffix appears to have been simply added to the present indicative forms of the third person singular and plural. (The use of this form for the second person singular was probably due to *-t* being a characteristic of the second personal pronoun.) The plural second person is formed by appending *-e* (for *-es*, later *-is*) as the sign of plurality in this person to a modified form of the singular; e.g. *rēg-īt-ōt-e* (for *rēg-īt-ōd-e*). Others (e.g. Schleicher) consider the *-tote* to be simply the demonstrative pronoun doubled (as in the Vedic Sanskrit *-tāt*).

The passive forms substitute *-r* for the final *-d*; e.g. *regit-or* 585 for *rēgit-od*; *regunt-or* for *rēgunt-od*.

The form in *-to* (for *t-od*) was apparently at one time also used 586 as passive; e.g. *censento*, *initianto*, in præ-Augustan inscriptions; and from deponents; e.g. *arbitranto*, *partiunto*, *utunto*, &c., some of which verbs however had once an active voice, of which these forms may be relics.

¹ Only one instance is actually found in Latin; viz. in Festus, p. 230 b. 14, 'Si nurus...sacra divis parentum estod.' The Oscan had this *d*; e.g. *estud*, *licitud*. (See Ritschl, *Neu. Plaut. Exc.* I. p. 100.)

In Plautus, Cato, and old inscriptions, a form in **-mīno** is 587 (rarely) found for the 2nd and 3rd pers. sing. of the imperative of deponents; e.g. **profite-mīno**, **præfa-mīno**, **progređi-mīno**, **fru-i-mīno**. One instance of a passive verb **denuntiamino** is found. This old form is formed just like the 2nd pers. plur. indicative in **-mīni**.

3. Subjunctive Mood.

The subjunctive is characterised by a lengthened vowel imme- 588 diately before the consonant of the personal suffix.

Present. This vowel is **ā** in the present tense of all verbs, except verbs with **ā-** stems, in which it is **ē**; e.g. **reg-ā-mus**, **regāmur**; **moneāmus**, **moneāmur**; **audiāmus**, **audiāmur**; **tribuāmus**, **tribuāmur**; but **amēmus**, **amēmur**. Except also some in which it is **i**; viz. **sim**, **sis**, &c. from **sum**; **velim**, **velis**, &c. from **vōlo**; and the compounds of both; e.g. **possim**, **absim**, &c. **nolim**, **malim**.

So also (besides the more usual forms) **edim**, **edis**, **edit**, **edīmus**, 589 **editis**, **edint** (Plaut. esp. in phrase 'habeo quod edim,' Cat., Hor.); **comedim**, **comedis**, **comedint** (Plaut.), **exedint** (Plaut.); also from **duo** (an old form of **do**?¹), **duim**, **duis**, **duit**, **duint** (Plaut., Ter., and old law language); **interduim** (Plaut.); **perduim**, **perduis**, **perduit**, **perduint** (Plaut., Ter., chiefly in phrase 'Di te perduint,' which is also used by Cicero); **creduis**, **creduit** (Plaut., who has also forms from this verb with the more regular **ā**; e.g. **duas**, **creduas**, **creduant**, **accreduas**. Cf. **fuat**, § 722).

Sum and its compounds had an older form **siem**, **sies** (see 590 § 722), from which **sim**, **sis**, &c. are contracted. The **-es**, **-et** is perhaps only the older form of the personal suffix **-is**, **-it**. (But comp. Gr. **εἶνν**, Sansk. **syām**.)

Imperfect and Pluperfect. The long vowel in these tenses is **ē** in 591 all verbs; e.g. **rexissēmus**, **amavissēmus**, &c.

Perfect. The vowel (assumed to have been originally long) is **i**, 592 which however, probably from confusion with the completed future, is in dactylic poets as often short as long. The pertinent instances are as follows:

Perf. subj. **-ērī-** **dederītis** (Enn.); **fuerīs** (Hor. in hexam.);
 respuerīs (Tib.); **dederīs**, **crediderīs**, **contu-**
 lerīs (Ovid).

¹ The forms **interduo**, Pl. *Capt.* 694, **concreduo**, Id. *Aul.* 577, are used apparently as completed futures ind.; **concredui** in Pl. *Cas.* 2. 8. 43, as a perfect indic. In Plin. *H. N.* 21. 3. 5, is **duitur** (comp. fut. pass.), for which **duitor** (imper. pass.) is usually read. See Neue II. 339; Schöll, *Leg. XII. tab. reliq.* p. 82.

- ēri- ēgerimus, respexeris (Verg.), dixeris (Hor. in hexam.).
- Comp. Fut. Ind. -ēri- dederitis, transieritis, contigeritis (Ovid), fecerimus (Catull. in a hendecasyllable), dederis, occideris, miscueris, audieris (Hor. in hexam.), dederis (Prop., Ov. several times).
- ēri- viderimus (Lucr.); videritis, dixeritis (Ovid); suspexeris, revocaveris (Verg.); vitaveris, detorseris, acceperis, coeperis (Hor. in hexam.).

In Plautus and Terence there appears to be no instance incompatible with the rule of *ī* for perf. subj., *ī* for compl. fut. indic. (See Neue II. 196.)

The forms for the subjunctive appear best explicable by assuming the proper suffix to be *ī* (seen in the Greek optative), which was contracted with a preceding *ā* to *ē*. Thus *amas*, *ama-ī-s*, *amēs*; *amāra-s* (an assumed indicative, see below, § 610), *amāra-i-s*, *amarēs*; *amāvissa-s* (an assumed indic.), *amāvissa-i-s*, *amāvissēs* (or *esses* for *esa-i-s* may be supposed to have been suffixed at once). But as *ī* suffixed to the present indicative of other than *ā* verbs would have given still the same form when contracted, an *ā* (seen in the Greek subjunctive) was substituted in all such cases. *sis* and *vells*, &c. retain the *ī*, because they have other points of difference from the indicative.

CHAPTER XIX.

CLASSIFICATION OF INFLEXIONS OF TENSE.

THE inflexions of tense are divisible into two classes; viz. those which are common to several tenses or forms, and those which are peculiar to the particular tense.

The inflexions common to several tenses or forms may be referred to three forms of the verbal stem, called the Present stem, the Perfect stem, and the Supine stem.

1. The *present* stem is very often identical with the verbal stem, but not unfrequently is more or less modified. From this present tense are formed all the tenses and verbal forms which express incomplete action; viz. both in Active and Passive voice,—

Indicative. Present, Future, Imperfect.

Imperative. Present, Future.

Subjunctive. Present, Imperfect.

Also the following verbal forms :

Present Infinitive ;

Present Participle, (none in Passive) ;

Gerunds and Gerundive.

2. The *perfect* stem is sometimes identical with the verb-stem and with the present stem, but usually is considerably modified. From this perfect stem are formed all the tenses denoting completed action; viz. in the Active voice,—

Indicative. Perfect, Completed Future, Pluperfect.

Subjunctive. Perfect, Pluperfect.

Also the perfect Infinitive.

3. The *supine* stem is always a modification of the verbal stem, and from it are formed certain verbal nouns, of which the forms called the supines, and the passive past participle, and future participle active are generally treated in connection with the verb.

The past participle passive is used with certain tenses of the verb to form the perfect and pluperfect passive both in the indicative and subjunctive.

In accordance with the order of discussion which has been thus far followed, the inflexions of the derivative tenses, being nearer to the end of the word (§ 555), will be discussed before the formation of the stem to which they are appended.

CHAPTER XX.

TENSES FORMED FROM THE PRESENT STEM.

Present. The present indicative is formed simply by suffixing ⁵⁹⁸ the inflexions of number and person. The present subjunctive has the mood inflexion as well.

Future. The future indicative is in consonant, in *i-* verbs and ⁵⁹⁹ in *u-* verbs a modified form of the present subjunctive. The first person singular is the same: the other persons have long *ē* where the present subjunctive has *ā*; e.g. fut. *reges*, *regēt*; pres. subj. *regas*, *regat*. In the 3rd pers. sing. act. the final syllable was short in the ordinary language (§ 152. 7).

Cato the Censor is said (Quint. I. 7. 23) to have written *dico*, *facio*, ⁶⁰⁰ for *dicam*, *faciam*, and so in other verbs. Probably this statement refers only to the future indic. not to the present subjunctive.

This *ē* probably arises from suffixing *i* (compare the Greek ⁶⁰¹ optative) to the present subjunctive of these verbs; e.g. *reg-ā-mus*, *reg-ā-i-mus*, *regē-mus*; just as *amemus*, pres. subj. was formed (§ 593). But this formation would not do for *a-* and *e-* verbs; because in *a-* verbs such a form (e.g. *amēmus*) is already used for the pres. subj.; and in *e-* verbs, it (e.g. *monēmus*) would be identical with the present indicative.

Accordingly in *a-* and *e-* verbs there is a different mode of ⁶⁰² forming the future indicative; viz. by suffixing *ib-* to the present stem, with the final vowel of which it is contracted; e.g. *ama-*, *ama-ib-*, *amāb-*; 1st pers. plu. *amab-imus*, *mon-e*, *mone-ib-*, *monēb-*; 1st pers. plur. *monēbimur*.

A similar future (besides the ordinary form in *-am*, *-es*, *-et*), is ⁶⁰³ not unfrequently formed from *i-* stems in early writers (Plautus, Terence, &c.); e.g. *aperibo*, *adgredibor* (comp. *adgrediri* for *adgredi*), *largibere*, *opperibor*, *scribo*, &c. But of these forms none are found so late as the first century B.C., except *ibo*, *quibo*, *nequibo*, which are the only forms in use at any time (with a few doubtful exceptions). *Lenibo* is also found in Propertius. *Veniet* (from *vēn-eo*) for *vēnibit* is found however in the lex Thoria (642 A.U.C.), and in Gaius; *exiet* in Seneca.

The verb **do** has a short penultimate **dābo**. Its compound **reddo** ⁶⁰⁴ (which usually has **reddam**), has **reddībo** (i.e. **red dabo**) in Plaut.: who has also **exugebo**, as if from an **e-** stem **exuge-**.

The verb **sum** and compounds have apparently merely a different ⁶⁰⁵ form of the present for the future; viz. **ēr-o**, 1st pers. plur. **ēr-imus** (compare pres. **sūmus** for **ēs-ūm-us**). Most philologists consider **ero**, &c. to be for **esio**, the **i** being similar to that of the present subj.

Imperfect. The imperfect indicative has in all stems a long **a** ⁶⁰⁶ (except in 3rd sing. act. §§ 152. 7. 574) preceding the personal inflexions, and in all stems but one (that of **ēs-**, **be**) **b** prefixed to this long **a**. Moreover in all stems but **dā-** the vowel preceding **bā** is long.

The long **a**, which is always found, serves to distinguish the imperfect from the future where the forms are otherwise similar; e.g. **amabāmus** (for **amabaimus**), **amabīmus**; **monebamus**, **monebīmus**; **ibāmus**, **ibīmus**; **dābāmus**, **dābīmus**; **ērāmus**, **ērīmus**. It is apparently a sign of past time, and as such is found in the pluperfect also.

In consonant stems the suffix is **-ēbā-**, and this is usually found ⁶⁰⁷ also in verbs with **i-** stems; e.g. **reg-ēbā-mus**, **audi-ēbā-mus**. But this long **e** is not found in **eo**, **queo**, and their compounds, and is not unfrequently absent in the earlier language (Plautus, Ter., Varr., &c.); e.g. **scībam**, **nescībam**, **ālībam**, &c., **gestībat**, **grūdībat**, **insanībat**, **mollībat**, **præsagībat**, **servības**, **stabilībat**, **venībat**. So also, apparently for metrical reasons, in the dactylic poets (Catull., Lucr., Verg., Ovid, Sil., Stat.); e.g. **audībant**, **lenībat**, **sævībat**, **redimībat**, **molībar**, **ferībant**, &c.

Probably the suffix was originally the same as the future suffix ⁶⁰⁸ of **a-** and **e-** verbs with **ā** added, i.e. **-īb-a-**. The form **-ēbā-**, seen in consonant and most **i-** verbs, is difficult to explain. It is generally supposed to have been erroneously borrowed from the **e-** stems.

Imperfect subjunctive. This tense had the suffix **-ēr** (for **ēs**). ⁶⁰⁹ which with the modal suffix **ē** made **-ērē**. The first vowel coalesced with a preceding **a**, **e**, or **i**; e.g. **reg-ēr-ēmus**, **tribu-ēr-ēmus**, **am-ār-ēmus**, **mon-ēr-ēm-us**, **aud-īr-ēmus**, and caused the omission of a preceding **i**; e.g. **capī-**, **capērem**.

In **sum**, **ēdo**, **vōlo**, **fēro**, and their compounds, the vowel **ē** was dropped out; e.g. 1st pers. plur. **es-sem-us** (for **es-es-ēmus**, or **ēd-ēs-ēmus**); **vel-lēm-us** (for **vōl-ēr-em-us**); **fer-rem-us** (for **fēr-ēr-ēm-us**). **Do** has **dārēmus**.

The suffix *-ēr* (ēs) is probably from *sum*. So that *reg-* with the 610 imperfect of *sum*, is *reg-eram*; hence *reg-era-i-m*, *regerem*.

The *imperative* tense suffixes have been already discussed (§§ 581—586).

The *present infinitive active* has the suffix *-ērē* (for *-ēsē*, §§ 183, 611 193. 3), in which the first *e* coalesces with a preceding *ā*, *e*, or *i*; e.g. *reg-ēre*, *tribu-ēre*; *amāre*, *mon-ēre*, *aud-ire*. *Cāpēre* as *cāp-ērem*, § 609.

In *sum*, *ēdo*, *vōlo*, *fēro*, and their compounds, the first vowel *e* 612 was dropped out, as in the imperfect subj. Hence the infinitives are *esse* (for *edese*), *velle* (for *vōlere*), *ferre* (for *ferere*). The infinitive is generally considered to be the dative or locative case of a verbal noun with stem ending in *s-* or *si-*; e.g. *dicar-e* for *daikas-ai*, *viver-e* compared with Sanskrit *jīvas-ai*. The final *e* (= *ai*) would be originally long.

The *present infinitive passive* has the suffix *i* appended to the 613 stem in verbs, whose stem ends in a consonant or in *i* or in *u*; e.g. *reg-i*, *tribu-i*, *cap-i* (but *feri* from stem *fi-*; *ferri* from *fēr-*). In other vowel verbs *i* takes the place of the final *e* of the active infinitive; e.g. *aud-ir-i*, *mon-ēr-i*, *am-ār-i*. So also *dā-rī* from *do*.

A further suffix *-ēr* is found appended to these forms (e.g. *figier*, 614 *amārier*, &c.), in old legal inscriptions (not after the *S. C. de repetundis*, 631 U.C.); and frequently in Plautus, Terence, Lucretius, Cicero (in poetry), and not uncommonly in Vergil and Horace, only occasionally in later poets. But the shorter form is more common even in the first named poets. In inscriptions it occurs first in the *S. C. de repetundis* (*dareī*, beside *abducier*, *avocarier*).

The forms in *-ier* (*-ārier*, *-ērier*, *-īrier*) are probably the original 615 forms, and arose by the addition of the ordinary passive suffix *r* in the form *-ēr* to the active infinitive, whose final *ē* took the form *oi* *i* before *er*. The final *r* was then dropped on account of its ill sound after another *r* (§ 185), and *ie* contracted to *i*. Thus *amārē-ēr*, *amari-er*, *amari*.

If the same course had been followed in consonant, and in *-i* verbs, then owing to the penultimate vowel of the active infinitive being short (e.g. *ducēre*), the syllable *ēr* would have recurred (e.g. *ducerier*). The Romans therefore preferred to omit the first (§ 28); i.e. to append *-ier* immediately to the final consonant of the stem; (e.g. *duo-ier*, *capier*). The only instance of the retention of at least some part of the first *er* is in *fer-rier* for *fererier*. Analogy afterwards reduced *ducier*, &c. to *duci*.

Present Participle. The suffix is *-enti*, nom. sing. *-ens*; e.g. *reg-ens*, *tribu-ens*, *audi-ens*. But in the verb *eo* and its compounds, an older form of the suffix, viz. *-unti*, is retained; but the nom. sing. is usually *-iens*. The form *nequeuntes* (from *nequeo*) occurs once.

In *-a* and *-e* verbs the suffix coalesces with the final stem vowel; e.g. *amans*, *monens*.

Gerund and Gerundive. The suffix is *-endo-*, which as a substantive is called a gerund, as an adjective, gerundive; e.g. *regendum*, *tribuendum*, *audiendum*; *amandum*, *monendum*.

An older form in *-undo* (probably for an earlier *-ondo*), is common in inscriptions to the end of the 7th century, U.C.; in Plautus, Terence, and Sallust; and, after *l*, and in the words *gerundus* and *ferundus*, frequently in the MSS. of Cæsar, Cicero, and Livy. Some law phrases always (or at least usually), retained the form; e.g. *rerum repetundarum*; *familiæ erciscundæ*, *finibus regundis*, *de jure dicundo*. But after *u* or *v* the suffix is found only in the form *-endo* (cf. § 213. 4. a. c).

Old Futures in -so, -sim¹.

In the older language, of Plautus and ancient laws and formularies, a future indicative in *-so* (*-sso*), subjunctive in *-sim* (*-ssim*), infinitive in *-sere* (*-ssere*), and pass. indic. in *-situr* (*-ssitur*) is found. Instances of the indicative and subjunctive active of this formation are very frequent. (In some instances it is not clear to which mood the word belongs.)

1. From verbs *with -a stems*: *amasso* (ind.), *amassis*, *amassint* (subj.), *appellassis* (subj.), *celassis* (subj.), *cœnassit* (ind.), *occœptassit* (ind.), *reconciliasso* (ind.), *creassit* (subj.), *curassis*, *curassint* (subj.), *accurassis* (ind.), *decollassit* (ind.), *indicasso* (ind.), *indicassis* (subj.), *invitassitis* (ind.), *exoculassitis* (ind.), *fortunassint* (subj.), *irritassis* (ind.), *locassim* (subj.), *locassint* (ind.), *mactassint* (subj.), *mulcassitis* (ind.), *servassit*, *servassint* (subj.), *peccasso*, *peccassis*, *peccassit* (ind.), and many others.

Passive: *turbassitur* (ap. Cic.), *mercassitur* (Lex. Thor.).

Infin. Act.: *averruncassere* (Pacuv.), *reconciliassere*, *impetrassere* (four times), *oppugnassere* (Plaut.), *depoculassere* (or *depeculassere*), *deargentassere*, *depeculassere* (or *despeculassere*) (Lucil.).

¹ The fullest discussions of these forms are by Madvig (*Opusc.* II. p. 64 foll.), Lübbert (*Gram. Stud.* Breslau, 1867), and Neue (II. 421 sqq.).

2. From verbs *with -e stems*, preserving the vowel: **habessit** (subj.), **prohibessis**, **prohibessit** (subj.), **prohibessit**, **prohibessint** (ind.), **cohibessit** (subj., Lucr. 3. 444), **licessit** (subj.).

3. From verbs *with -i stems*: **ambissit**, **ambissint** (Pl. *Amph.* 69. 71. ex conj.).

4. In verbs *with consonant* or *-i stems*, and *some with -e* 620 *stems*, the **-so**, **-sim** is attached immediately to the final stem consonant:

(a) *-e stems*: **ausim** (subj.), **noxit** (subj.), **sponsis** (subj.), **auxitis** (subj.), **jusso**, **jussis**, **jussit** (ind.), **jussim** (subj.).

Also passive **jussitur** (Cat.).

(b) *-i stems*: **faxo** (ind.), **faxis**, **faxit** (ind. subj.), **faxim**, **faximus** (subj.), **faxitis** (ind. subj.) frequently, **faxint** (subj.), **effexis**, **defexis** (ind.), **capsis** (ind.), **capsit** (subj.), **capsumus** (ind.); **accepso**, **occepso**, **recepso** (ind.); **incepsit**, **occepit**; **injexit** (ind.), **objexim**, **objexis** (subj.); **adspexit** (subj.), **respexit** (ind.); **rapit** (ind.), **surrepsit** (subj.); **excussit** (subj.).

Passive: **faxitur** (ap. Liv.); and perhaps **nanxitur** (Fest.).

(c) *Consonant stems*: **axim**, **adaxint** (subj.), **transaxim**, **axit**; **incensit**; **excessis** (subj.); **clepsit** (ind.); **occlisit** (ind.); **dixis** (subj.), **induxis**, **adduxit** (subj.); **comessis** (subj.); **affixint** (subj.); **amissis** (ind. subj.); **empsim** (subj.), **adempsit** (ind.), **surrempsit**; **parsis** (subj.); **rupsit** (ind.); **serpsit**; **extinxit** (subj.); **taxis** (subj.); **adussit** (ind.).

Of all these forms **faxo**, **faxis**, **ausim**, **ausis**, almost alone are 621 found after the time of Terence, who himself has only **excessis**, **appellassis** besides. But the following other instances occur: **cohibessit** (Lucr.); the phrase, **di faxint** (Cic.); **recepso** (Catull.); a few infinitives in Lucil.; **jusso** (Verg., Sil.); and one or two instances in the antiquarians Varro and Fronto. The style of the laws, &c. in Livy and Cicero does not of course belong to the age of their (real or feigned) recorders.

These forms are apparently to be explained as a future indica- 622 tive, subjunctive, and infinitive, formed by the suffix **s** as in the Greek future to the stem, a short **i** or sometimes **e** of the stem being omitted; e.g. **leva-**, **levaso**; **prohibe-**, **prohibeso**; **sponde-**, **spond-so**, **sponso**; **faci**, **fac-so**; **dic-**, **dixo**. The double **s** in the forms from **a-** and (a few) **e-** verbs is either a mode of marking the place of the accent, or due to a mistaken etymology, as if the form were analogous to **amasse** from **amavisse**, &c. Possibly both causes may have combined. Moreover a single **s** between two vowels was in the præ-Augustan language rare (cf. § 191, 193).

The subjunctive is formed by the regular suffix **I**; the infinitive by **-ēre**, as in the present infinitive.

The use of these forms is analogous to that of the forms in ⁶²³ **-ero**, **-erim**, but is confined to those classes of sentences in which those forms differ least from a future indicative, or present subjunctive; viz. (1) the indicative in the protasis (not the apodosis) of a sentence; (except **faxo**, which might be either a simple or completed future): (2) the subjunctive in modest affirmations, wishes, prohibitions, purpose, and in dependent sentences for the future, never for the perfect indicative (as the form in **-erim** frequently is). In all these classes the English language ordinarily uses an incomplete tense (present or future). The infinitives in **-sere** might be taken as either simple or completed futures.

(The ordinary explanation of these forms, viz. that e.g. **levasso** ⁶²⁴ is for **leva-v-eso** (= **levavero**) has much in its favour; but it meets with great difficulties¹ in such forms as **cap-so**, **rap-so**, **prohibesso**, &c.; and it does not really account for the double **s**. For **levavesso** would become **leva-eso**, **levaso**, **levāro**; or if it became **levav-so**, as is assumed, it would be contracted into **levauso** or **levuso** (**levauro**, **levuro**) not **levasso**. Comp. § 94.)

The verbs **arcesso**, **capesso**, **facesso**, **lacesso**, are probably (Key, ⁶²⁵ *Lat. Gr.* p. 88) similar formations from **arclo** (i.e. **adclō**), **caplo**, **faclo**, **lacio**, and have been treated as verb stems, and thus received new inflexions of tense and mood. **Incesso** is probably from **incedo**; **petesso** from **peto** (**pet-** or **petl-**) is also found.

¹ Not removed, I think, either by G. Hermann (*Dissertatio de Madvigii interpretatione*, Lips. 1844), or Curtius (*de verbi latini fut. exact.*, Dresden, 1844); or Key (*Lat. Gr.* § 566, 1209 f.); or Schleicher (*Vergl. Gr.* p. 830, ed. 2); or Lübbert (*ubi supr.*). My view agrees partly with Madvig's (p. 64, 65), and partly with Corssen's (*Ausspr.* II. 37 sq. ed. 1. See also I. 319, ed. 2). A somewhat different view is given by Merguet (*Die Entwicklung der Lat. Formenbildung*, 1870, p. 224). Pott decidedly rejects the view that these forms are from the perfect, not the present, stem (*Etym. Forsch.* II. Th. 4 (1870), pp. 269, 272).

[Gossrau (*Lat. Gr.* § 174, *Anm.* 1) derives these forms from a perfect in **-sl**. Nettleship (*Academy*, 15 July, 1871) has taken (independently) a similar view to mine].

CHAPTER XXI.

OF VERB STEMS, ESPECIALLY THE PRESENT STEM.

A VERB often exhibits a different stem in the present tense from 626 that which appears to be presumed in the perfect or in the supine. The changes, which belong strictly to the formation of the perfect or supine themselves, or follow from that formation according to the laws of Roman pronunciation, will be found in Chapters XXIII. XXIV.

Verbs may be divided into consonant verbs and vowel verbs according as the present stem ends in a consonant or in a vowel.

(In the following enumeration the different instances will be classified according to the last letter of the verb stem; and sometimes the perfect and supine added in illustration.)

i. Consonant verbs.

1. Most consonant verbs exhibit in the present stem no altera- 627 tion of the regular stem of the verb; e.g. *reg-*, *reg-o*; *cæd-*, *cæd-o*, &c.

2. Other consonant verbs exhibit such alteration;

(a) The stem is *reduplicated* to form the present tense; e.g. 628 *gën-* (*gëno* old form), *gigno* for *gī-gëno* (*gën-ui*, *gën-ītum*); *stā-*, *sisto* (*stēti*, *stātum*); *sā-*, *sēro* for *sēso* (*sēvi*, *sātum*).

(b) The radical *vowel* is *lengthened*; e.g. 629

dūc-, *dūco*; *dīc-*, (cf. *dīc-āre*, *causidīc-us*), *dīco*; *fīd-*, *fīdo*; *nūb-* (cf. *pronūbus*), *nūbo*. (Probably Key is right in supposing the radical vowel to be always short, and a long vowel (e.g. *scribo*, *lūdo*, &c.) to be due to the formation of the present stem).

(c) *n* is *suffixed* to the stem of the verb; e.g. to stems end- 630 ing in

M. *tem-*, *tem-no*.

R. *cer-*, *cer-no*; *sper-*, *sper-no*; *star-*, *ster-no*. In these verbs the perfect and supine have the *r* transposed; *crē-*, *sprē-*, *strā-*.

A. *dā-*, *dā-no* (old form of *do*).

I. *lī-*, *lī-no*; *quī-*, *nequī-nont* (old form for *nequeunt*); *ī-*, ⁶³¹*ōbīnunt* (old form for *ōbeunt*); *sī-*, *sī-no*; and its compound *pōno* for *pōsīno* (old perf. *pōsīvi*, sup. *pōsītum*).

So apparently *frūniscor* from *frugv-*, *fruor*. *Conquin-isco* (*conquexi*) may be for *conquic-n-isc-o*, or may have vowel stem *conquī-n-isc-o* and belong here; see § 635.

Festus speaks also of *ferinunt*, *solinunt* for *ferunt*, *solent*.

(d) A *nasal* is inserted before the final stem consonant; e.g. to ⁶³²stems ending in

P or B. *cūb-*, *cumbo* (also *cūba-*); *rup-*, *rumpo*.

C or QV. *liqv-*, *linqvo*; *vic-*, *vinco*; *nāc-*, *nanc-isc-or* (*nactus* or *nactus*).

G. *frag-*, *frango*; *pag-*, *pango* (old *pāgo*); *pūg-*, *pungo* (in the compounds the stem contains *n* in all tenses); *rig-*, *ringor*; *tāg-*, *tango* (old *tāgo*). In some verbs the nasal is retained in the perfect and dropped only in the supine stem: *fig-*, *finco* (*finxi*, *factum*); *mīg-*, *mingo* (*minxi*, *mictum*, also *minctum*); *pīg-*, *pingo* (*pinxi*, *pictum*); *strīg-*, *stringo* (*strinxi*, *strictum*). In other verbs the nasal is constant in the verb stem; e.g. *jungo*, *junxi*, *junctum* (from *jūg-*, comp. *jūgum*). So *ninguit* from *nīgv-* (*nix*).

D. *fīd-*, *findo* (*fīdi*, *fissum*); *fūd-*, *fundo* (*fūdi*, *fūsum*); *scīd-*, *scindo* (*scīdi*, *scissum*); *tūd-*, *tundo* (*tūtūdi*, *tūsum*, or *tunsum*). Perhaps also *frendo* (*frendi*, *frēsum*) may have *fred-* for stem (but cf. § 168. 3).

In *mētior*, *mensus* (properly a vowel verb) the *n* appears to ⁶³³have been dropped in the present stem.

In *pīso*, a collateral form of *pīnso*, the *n* is dropped in present and supine stems.

(e) *-sc-* (*-isc-*) is *suffixed* to verbal stems, especially to vowel stems ⁶³⁴in *-e*, and gives often the special meaning of *beginning* or *becoming*. This *inchoative* form sometimes exists alone, sometimes is used besides the ordinary stem, sometimes is found in a compound, but not in the simple verb. The perfect and supine, if any, are the same as those of the ordinary stem (real or assumed). A very few stems carry the suffix *-sc-* throughout all the tenses.

To Consonant stems: *āl-* (*ālēre*), *āl-esc-ere*; *dīc-*, *dī-sc-ēre* (for ⁶³⁵*dīc-sc-ēre*), *dīdīci*; *frun-*, *frun-isc-i* (*frūnitum*); *gēm-* (*gemēre*), *ingem-isc-ēre* (*ingēmui*); *herc-* (or *erc-*), *herc-isc-ēre* (*herctum*); *mān-* (perf. *mēmīni*), *commīn-isc-i* (*commentum*); *pāc-*, *pāc-isc-i* (*pactum*); *pās-*, *pasc-ēre* (for *pas-sc-ere*, comp. *πατ-έομαι*); *trēm-* (*tremēre*), *contrēm-isc-ēre* (*contrēmui*); *perg-* (*pergēre*), *experg-*

isc-ī (experrectum); vĕd- (comp. ĕdĕre), ve-sc-ī (for ved-sc-ī); vĭgv- (vĭvĕre), revĭv-isc-ĕre (revixi); ulc-, ulc-isc-ī (ultum). For *escit*, see § 722.

Poscĕre (pōposci); compesc-ere (compescui; comp. pasco) retain *sc* throughout; miscĕre (for mig-sc-ere; comp. μίγ-νυμι) appears to contain the same suffix, but with an -e stem.

So perhaps *conquĭniscere*, *conquexi* (see § 672).

To *Vowel stems*: A. Irā-, ira-sc-ī (irātum); lābā-, laba-sc-ere 636 (also lābāre); nā-, na-sc-ī (nātum); vespĕrā-, vespera-sc-ĕre (vesperāverat, Gell.); vĕtĕrā- (inveterāre, tran.), vetera-sc-ĕre, also inveterā-sc-ĕre (intrans., inveterāv-, tran. and intrans.).

O. no-, no-sc-ĕre (nōvi).

E. ācĕ- (ācĕre), āce-sc-ĕre (ācui), and many others from -e 637 stems, with perfect in -ui; see §§ 677—680.

ægre- (ægrĕre, rare), ægre-sc-ĕre; albĕ- (albĕre, rare), albescĕre; arde- (ardĕre), exarde-sc-ĕre (exarsi); auge- (augĕre), auge-sc-ĕre (intrans.); calve- (calvĕre rare), calve-sc-ĕre; cāne- (cānĕre), cane-sc-ĕre; fronde- (frondĕre), fronde-sc-ĕre; refrige-, refrigescĕre (refrxi); flavĕ- (flavĕre), flāve-sc-ĕre; hærĕ- (hærĕre), inhære-sc-ĕre (inhæsi); hĕbĕ- (hĕbĕre), hĕbe-sc-ĕre; hūme- (hūmĕre), hume-sc-ĕre; lactĕ- (lactĕre), lacte-sc-ere; livĕ- (livĕre, rare), live-sc-ĕre (rare); lūce- (lucĕre), illuce-sc-ĕre (illuxit); māce- (mācĕre, rare), māce-sc-ĕre; mūcĕ- (mucĕre), muce-sc-ĕre; splendĕ- (splendĕre), splende-sc-ĕre; turgĕ- (turgĕre), turge-sc-ĕre.

crĕ-, cre-sc-ĕre (crĕvi); quĭĕ-, quĭe-sc-ĕre (quĭĕvi); suĕ-, sue-sc-ĕre, mansuescere, &c. (suĕvi).

I. dormī- (dormire), obdormī-sc-ĕre (obdormīvi); oblīvi- (comp. 638 livĕre, intrans.), oblīvi-sc-ī; scī- (scīre), scī-sc-ĕre (scīvi).

āpī-sc-ī (aptum); cūpī- (cūpĕre), concupī-sc-ĕre (concupīvi); fātī- (?), fātī-sc-ĕre and fatī-sc-ī (fessum); fācī- (fācĕre), profici-sc-ī (profectum); glī-, glī-sc-ĕre; hī- (comp. hī-āre), hī-sc-ĕre; nanci- (nanciam, old fut.), nanci-sc-ī (nactum); sāpī- (sāpĕre), resīpī-sc-ĕre (resīpui and resīpīvi).

For a number of inchoatives formed directly from noun stems see in Book III. (§ 978).

(f. 1) The guttural is omitted in some stems which probably 639 ended in -gv; e.g. conĭgv-, conĭveo (conĭvi or conixi); flugv-, fluo (fluxi, adj. fluxus, subst. fluctus); frugv-, fruor (fructus); strugv-, struo (struxi, structum); vĭgv-, vĭvo (vixi, victum).

Of these *conĭveo* properly belongs to the vowel verbs.

(f. 2) Other stems vary between -gv and -g; e.g. stingvo, stingo; 640 tingvo, tingo; ungvo, ungo; ningvit, ningit. Similarly urgveo, urgeo,

(g) In *trāho* (*traxi*, *tractum*), *vāho* (*vexi*, *vectum*), the *h* re- 641
presents a fricative guttural, which becomes partially assimilated in
the perfect and supine, and is weakened in the present.

(b) *s* is changed, between vowels (according to the general 642
law, § 193. 3), to *r*; e.g. *ges-*, *gēro* (*gessi*, *gestum*); *haus-*, *haurio*
(*hausi*, *haustum*); *hæs-*, *hæreo* (*hæsi*, *hæsum*); *quæs-*, *quæro*
(*quæsi*, *quæsitum*); *quēs-*, *quēror* (*questus*); *ūs-*, *ūro* (*ussi*,
ustum).

Of these *haurio*, *hæreo* properly belong to the vowel verbs.

(i) A few verbs have *ll* in present stem, but not in perfect; 643
the supine appears however to show the effect of *ll* (cf. § 705).

cōl-(?), *percello* (*perculi*, *perculsum*); *pōl-*(?), *pello* (*pepūli*,
pulsum); *tōl-*, *tollo* (*tetūli*); *vello* retains *ll* in perfect (*velli*, *vul-*
sum); *sallo*, *salt*, is a byform of *sālio* (*salsum*).

ii. Vowel verbs.

1. Verbs with stems ending in *a*:

644

(a) Most of these verbs have the stem ending in *ā-*, and pre-
serve it in all tenses; e.g.

Flā-, *flāre*, (*flāvi*, *flātum*); *fā-*, *fāri*, (*fātus*); in which *a* is
radical. In *nā-*, *nāre* (*nāvi*, *nātum*), the *ā* is constant, but the
derivative *nāto* shows that *ā* is radical. In *strā-*, *sternāre* (*stravi*,
strātum); *tlā-*, *tollāre* (*tetuli*, *latum* for *tlātum*); the present-stem
is consonantal.

Derivative verbs with *a-* stems are very numerous; e.g. *amā-*,
āmāre; *creā-*, *creāre*; *nuntiā-*, *nuntiāre*; *leva-*, *levāre*, &c.; all
have perfects in *-āvi*, *ātum*.

(b) Verbs with stems ending in *ā-*; e.g.

645

dā-, *dāre*, (*dēdi*, *dātum*), but *dās* has *ā*.

In all other verbs of this class, the final *a-* combines with the
initial vowel of the suffixes in tenses formed from the present stem,
so as to exhibit *ā*; e.g.

Stā-, *stāre* (*stēti*, *stātum*, but sometimes *stātum*) where *ā* is
radical. *crēpā-*, *crēpāre*; *cūbā-*, *cubāre*; *dōmā-*, *domāre*; *fricā-*,
fricāre; *micā-*, *micāre*; *enēcā-*, *enecare*, (but *necā-* usually in simple
verb); *-plicā-* and *-plicā-* (cf. §§ 677, 688), *plicāre*; *secā-*, *secāre*;
sōnā-, *sonāre* (also *sonēre*); *tōnā-*, *tonāre*; *vētā-*, *vetāre*; all which
have perfects in *-ui*, and most of them usually supines in *-itum*.

Also *lāvā-*, *lavāre* (and *lavēre*); *jīvā-*, *juvāre*; which vocalise and contract the radical *v* with *-ui* of the perfect; and contract or omit it in the supine (cf. §§ 669, 688).

(c) In some verbs derivative stems in *ā* are found besides other 646 derivative stems in *e* or *i*; e.g.

Artāre, old *artīre*; *bullāre*, later *bullīre*; *densāre*, old *densēre*; *fulgurāre*, old *fulgurīre*; *impetrāre*, *impetrīre*, especially in sacrificial language; *singultāre*, old *singultīre*; *tintinnāre*, *tintinnīre*.

2. Of verbs with stems ending in *o*, the only traces are *nō-*, 647 which has the inchoative suffix in the present tense, *noscēre* (*nōvi*, *nōtum*), where the root has *ō*, comp. *nōta* (subst.), *nōtāre*, *cognitum*, &c.; *pō-* (*pōtum*), the frequentative *pōtā-*, *potāre* being otherwise alone in use.

3. Verbs with stems ending in *u*:

(a) Most have stems in *ū*, which however becomes short 648 before the initial vowel of the suffixes; e.g. *acū-*, *acūere*, *acūis*, *acūisti*, *acūas*, *acūēbam*, *acūērem*, &c. The supine has *ū*. (See list in § 690.)

Plu- is apparently contracted for *plūv-* (*plōv-*), (cf. § 684). And the same may be the case with *all*: comp. *fluo*, *flūv-ius*.

(b) *ruo* has *rū-* in supine of compounds (but *rūta* (n. pl.) according to Varro: see § 691). *pū-* is found only in adj. *pūtus* and frequentative *pūtāre*.

(c) A few verbs have *u* vocal in supine, but consonantal usually 649 (see § 94. 2), in present and perfect.

loqv-, *lōqvi* (*locūtum*); *seqv-*, *sēqvi* (*secūtum*); *solv-*, *solvere* (*solvi*, *sōlūtum*); *volv-*, *volvēre* (*volvi*, *vōlūtum*).

4. Verbs with stems ending in *e*:

650

(a) Few verbs have the stem ending in *ē*, and these are monosyllables, where *e* is radical; e.g.

dele- (compound), *delēre*; *flē-*, *flēre*; *nē-*, *nēre*; *-plē*, *-plēre*. All these have perfect and supine in *-ēvi*, *-ētum*.

Other verbs with *ē* (*-ēvi*, *-ētum*) have consonantal present stems; *crē-*, *crescēre*; also *crē-*, *cernēre*; *-ōlē-*, *-olescēre* (also *aboleo*, *abolēvi*, *abolūtum*; and *adōlesco*, *adultum*); *qvīē-*, *qviescēre*; *svē-*, *svescēre*; *sprē-*, *spernēre*.

(b) In most verbs with stems in *-e*, the *e* is short, as may be 651 inferred from the perfect being in *-ui* (for *-eui*), and supine in *-itum*

(old *-ētum*, cf. § 234. 1), which in some verbs was reduced to *-tum*. Contraction with the initial vowel of suffixes gives *ē* in most forms of the present stem; e.g. *monēre*, *monēs*, *monēmus*, *monēbam*, *monēbo*, *monērem*, *monētur* (*monēt*, as *amāt*, *audīt*). In the imperative (2nd pers. sing. act.) of verbs with short penult, it is in early Latin not uncommonly used as short; e.g. *tēnē* (§ 233. 4); e.g.

mōnē-, *monēre* (*monui*, *monitum*), and many others; see §§ 677—681.

cāvē-, *cāvēre* (*cāvi* for *cāvui*, *cāvītum* contracted to *cantum*), and others; see § 669.

(c) Many verbs have *e* (probably *ē*) in present stem, but drop ⁶⁵² it entirely and show consonantal stems in the other parts of the verb. (If the vowel had not been dropped, and a perfect in *-si* or supine in *-sum* had been formed, there would have been a tendency in the *s* to become *r*. Where *-si*, *-sum* follows a vowel now, a consonant has been omitted, § 193. 3).

morde-, *mordēre* (*momordi*, *morsum*), and others, in § 666.

vide-, *vidēre* (*vidi*, *visum*); *sēde-*, *sedēre* (*sēdi*, *sessum*); *prande-*, *prandēre* (*prandi*, *pransum*).

arde-, *ardēre* (*arsī*, *arsum*); and many others in §§ 672—676.

(d) Some have a present stem in *-e*, besides another (older or ⁶⁵³ poetic) consonantal stem; e.g.

fervēre, *fervēre*; *fulgēre*, *fulgēre*; *ōlēre*, *emit scent*, *ōlēre*; *scātēre*, *scātēre*; *stridēre*, *stridēre*; *tergēre*, *tergēre*; *tuēri*, *-tui*; *clāre*, *-clre*. (Among other forms the 1st persons *fervo*, *fulgo*, *olo*, *scato*, *strido*, *tergo*, *fervimus*, &c. appear not to occur.)

5. Verbs with stems ending in *i*:

654

(a) Some verbs with radical *i*, and many derivatives have *i*, and retain it through all the tenses;

sci-, *sci-re*; *ci-*, *-clre* (also *clēre*); *i-*, *ire*; *qui-*, *quīre*. In these the *i* is radical.

audi-, *audire*; *dormi-*, *dormire*; and many other derivatives.

In all these the perfect is in *-ivi*, and, in the derivative verbs and *scio*, the supine is in *-itum*. For the others see § 696.

(b) Some verbs have *i* in present stem, but drop it and show ⁶⁵⁵ a consonantal stem in other parts; e.g.

amici-, *amicire* (*amicui*, *amictum*); *farci-*, *farcire* (*farsi*, *far-tum*); *fulci-*, *fulcire* (*fulsi*, *fultum*); *hausi-*, *haurire* (*hausi*, *haus-tum*); *mēti-* (for *mentī-*), *mētiri* (*mensum*); *ordi-*, *ordiri* (*orsum*); *-pēri-*, *āperire* (*āpēruī*, *āpertum*); *rēperire* (*rēpperi*, *rēpertum*),

and other compounds (Chap. xxx.); *sæpi-*, *sæpire* (*sæpsi*, *sæptum*); *sanci-*, *sancire* (*sanxi*, *sanctum*, rarely *sancitum*); *sarci-*, *sarcire* (*sarsi*, *sartum*); *senti-*, *sentire* (*sensi*, *sensum*); *vēni-*, *vēnire* (*vēni*, *ventum*); *vinci-*, *vincire* (*vinxi*, *vinctum*). *Sepeli-*, *sepelire* has perfect *sepelivi*, supine *sepultum*. (But see Pref. p. c.)

ōri-, *ōriri* (*orsum*); *pōti-*, *potiri* show in some tenses a present stem either in *i* or consonantal. (See Chap. xxx.)

(c) Some verbs have the stem ending in *i*, which fell away ⁶⁵⁶ before *i* or *ēr*; and as final in imperative, was changed to (or if *e* was the original, remained) *ē* (§ 234. 2). The *i* is generally dropped in the supine stem.

cāpi-, *cāpēre* (*cēpi*, *captum*); *cōpi-*, *cōpēre* (*cōpi*, *cōptum*); *fāci-*, *fācēre* (*fēcī*, *factum*); *fōdi-*, *fōdēre* (*fōdī*, *fossūm*); *fūgi-*, *fūgēre* (*fūgi*, fut. part. *fūgītūrus*); *grādī-*, inf. *grādī* (*gressum*); *jāci-*, *jācēre* (*jēcī*, *jactum*); *-līci-*, *-līcēre* (*-lexī*, *-lectum*); *mōri-*, inf. *mōri* (also *mōriri*, fut. *mōritūrus*); *pāri-*, *pārēre* (*pepēri*, *partum*, old pres. part. *pārens*); *pāti-*, inf. *pāti* (*passum*); *quāti-*, *quātere* (*-quassi*, *quassum*); *rāpi-*, *rāpēre* (*rāpui*, *raptum*); *-spīci-*, *-spīcēre* (*-spexi*, *spectum*).

Two have *i* in other tenses than those derived from the present; *cupi-*, *cūpēre* (*cūpivi*, *cūpītum*; in *Lucr.* also *cupiret*); *sāpi-*, *sāpēre* (*sapivi*, *rēsapui* and *rēsapivi*).

(d) A few verbs have consonant stems in present, but *i* stems ⁶⁵⁷ in other parts; *pēt-*, *pētēre* (*pētivi*, *pētītum*); *rūd-*, *rūdēre* (*rūdīvi*); *quæs-*, *quærēre* (*quæsivi*, *quæsītum*); *arcesso*, *capesso*, *facesso*, *laccio*, *incesso*, all have inf. *-ēre*, perf. *-ivi*, sup. *-itum*; *trī-*, *tērēre*, (*trīvi*, *tritum*). So *ēvēno* is found for *ēvēnio*.

CHAPTER XXII.

TENSES FORMED FROM THE PERFECT STEM.

THE suffixes for the tenses formed from the perfect stem; i.e. ⁶⁵⁸ for the perfect, completed future, and pluperfect in indicative, and perfect and pluperfect in subjunctive, are the same in all verbs; viz.

Comp. Future *-ēr-*; Pluperf. Ind. *-ēr-ā*; Perf. subj. *-ēr-i*; Pluperf. subj. *-iss-ē*. The perfect indicative has a suffix *-is* which

however is not found in the 3rd pers. sing. and the first pers. plural; in which the same personal suffixes as in the present indicative are used. This suffix **-is** in the first pers. sing. loses its **s**; in the third pers. plural, being followed by a vowel, changes to **-er**.

The perfect infinitive is formed by the suffix **is-esse**. This is ⁶⁵⁹ apparently composed of the suffix **is-** just mentioned, and **-esse** for **-esse** as in the present infinitive. (Comp. **esse** from **sum**, §§ 611, 612.)

The great resemblance of these suffixes to the parts of the verb ⁶⁶⁰ **sum**, which are used to form the same tenses in the passive voice, suggests (and the suggestion has been generally adopted) that they are identical in origin.

This theory would give a complete explanation of the pluperfect and the completed future indicative, with the exception that the 3rd pers. plural of the latter has **erint** instead of **erunt**, perhaps in order to avoid confusion with the the 3rd pers. plur. perfect indicative.

The perfect subjunctive would be explained by assuming as the suffix an older form of **sim**; viz. **-essim**, or with the usual change, **-erim**.

The perfect indicative and infinitive and pluperfect subjunctive seem to require the assumption of a long **i** being suffixed to the perfect stem before the respective parts of the verb **sum** were added¹. Thus **audivissem**, **audivisse** would stand for **aud-iv-i-essem**, **audiv-i-esse**, **rexissem**, &c. for **rex-i-ssem**, &c.

In the perfect indicative the 2nd pers. sing. e.g. **audivisti** would stand for **aud-iv-i-est** (the personal suffix **-ti** being lost in the simple verb **sum** **es**), 2nd pers. plu. e.g. **audivistis** for **aud-iv-i-estis**; 3rd pers. plur. e.g. **audiverunt** for **aud-iv-i-ēsunt**. The 3rd pers. sing. may have the simple personal suffixes, or may have been reduced from a fuller form; e.g. **au-divi-est**, **audivist**, **audivit**. The **-it** is sometimes found long. The first person singular, e.g. **audivi**, may then be for **aud-iv-i-esum**, **audivism**, **audivim**. And the 1st person plural may have had a similar pedigree.

It must however be observed that the resemblance to the parts of the stem **es-**, on which this theory rests, is in some degree deceptive, for it consists largely in personal and modal suffixes, which even on another hypothesis might be expected to be the same. And the rest of the suffixes is, as has been seen, in some tenses but poorly eked out by the simple stem **es**.

The perfect stem when formed by a suffixed **v** (§ 681), is fre- ⁶⁶¹ quently modified by the omission of the **v** in all tenses and persons

¹ The same view is taken and certain Sanskrit forms compared by Corssen, *Ausspr.* I. 614 sqq. ed. 2.

and both numbers, except in the 1st pers. sing. and plu., and 3rd pers. sing. of the perfect indicative. The vowels thus brought together are contracted, (excepting *-io*, and sometimes *-ii*); e.g. ind. perf. *amasti*, *amastis*, *amârunt*; pluperf. *amaram*, &c.; comp. fut. *amâro*, &c.; subj. perf. *amarim*, &c.; Plup. *amassem*, &c.; infin. *amasse*; so *flesti*, *fleram*, &c.; and (though here the *v* omitted is radical) *mosti*, *commosti*, &c. (from *moveo*), and derived tenses.

But we have some instances of uncontracted forms; e.g. *audieram*, &c.; *audiero*, &c.; *audiisti* as well as *audisti*, &c. And such forms occur not unfrequently from *peto*, *eo*, and their compounds.

Nôvero (1st pers. sing. ind.) always retains the *v*. (But *cognoro*, *norim*, *noris*, &c.). And so does the shortened form of the 3rd pers. plu. perf. ind. of verbs with *â* stems; e.g. *amāvère*. The infinitive being *amâre*, the perfect, if contracted, would be liable to confusion with it.

In *dēsīno*, *pēto*, *eo*, and their compounds the omission of *v*,⁶⁶² usually, (in the compounds of *eo* almost always), takes place even in the excepted persons; viz. in the 1st pers. sing. and plural, and third pers. sing. of the perf. indicative; e.g. *desi*, *desiit*, *desimus*. In other verbs with *-i* stems, *-iit* is sometimes found; *-ii* hardly ever; *-imus* never.

The contracted forms are sometimes found from the above-mentioned three verbs; *pēti* (Sen., Stat.); *pētiit* (Verg., Ov., Lucan, Sen., &c.); *dēsīt* (Sen., Mart.); *dēsīmus* (Sen. *Epist.*); *rēdi* (Sen.); *ābi*, *inī* (Stat.); *it* (Ter., Verg., Ov., &c.); *ābit* (Plaut., Ter., Sen.); *perīt* (Lucr., Phædr., Sen.); *adīt*, *obīt*, *redīt*, &c.

Apparently *irritāt*, *disturbāt*, are used as contracted perfects in Lucretius.

In the older poets, and occasionally in Vergil and Horace, in⁶⁶³ tenses formed from perfect stems in *-s*, an *i* between two *ss* is omitted and the sibilant written once or twice, instead of thrice; e.g. *promisse* (Cat.) for *promississe*; *despexe* (Plaut.) for *despexisse*; *surrexe* (Hor.) for *surrexisse*: *consumpsti* (Prop.) for *consumpsisti*; *dixti* (Plaut., and twice or thrice in Cic.) for *dixisti*; *erepsēmus* (Hor.) for *erepsissemus*; *extinxem* (Verg.) for *extinxissem*.

Percepset for *percepisset* (Pacuv. ap. C. *Off.* 3. 26); *faxem*, Pl. *Pseud.* 499, are the only instances of such a form from perfects not in *-si*. The latter passage is generally considered corrupt.

CHAPTER XXIII.

OF THE PERFECT STEM.

THE perfect stem is formed in one of five different ways, some ⁶⁵⁴ of which are peculiar to, or invariably found in particular classes of verbs. All are used without any distinction of meaning. Some verbs have two or even more forms of the perfect stem.

The five ways are: (i) Reduplication; (ii) Lengthening the stem vowel; (iii) Suffixing *-s*; (iv) Suffixing either *-u* or *-v*; (v) Using the stem of the verb without change.

In the following enumeration the present stem is added where it differs from the verbal stem. All the verbs, whether consonant or vowel stems, are arranged under the class to which their final *consonant* belongs: except monosyllabic vowel stems, and *u* stems, which are arranged separately.

i. Perfect stem formed by reduplication.

The first consonant of the stem is prefixed with a short vowel, ⁶⁶⁵ which is *e*, if the stem vowel is *a* or *o*, and, if not, is the same as the stem vowel. In the *præ*-Ciceronian language the vowel of the prefixed syllable appears to have been (always?) *e*, whatever the stem vowel might be. And Cicero and Cæsar are said to have used *memordi*, *spepondi*, *pepugi* (Gell. 6 (7), 9).

If the stem vowel is *a*, it is changed to *e* before two consonants, to *i* before one; *æ* is changed to *i*. Before single *l* *ö* and *ö* become *ü*.

If the stem begins with *sp*, *sc*, *st*, the second consonant is treated as the initial consonant, and the *s* prefixed to the reduplication syllable.

Gutturals. *dic-*, (Pr. *disc-* for *dic-sc-*), *dī-dic-i*; *parc-*, *pē-perc-i*; ⁶⁶⁶ *posc-*, *pō-posc-i*; *pāg-*, (Pr. *pang-*; comp. *pāc-iscl*), *pē-pīg-i*; *pūg-*, (Pr. *pung-*), *pū-pūg-i*; *tāg-*, (Pr. *tang-*), *tē-tīg-i*.

Dentals. *cād-*, *cē-cīd-i*; *cæd-*, *cē-cīd-i*; *pēd-*, *pē-pēd-i*; *pend-* (also *pend-e-*, *intran.*), *pē-pend-i*; *scīd-*, (Pr. *scīnd-*), *scī-cīd-i* (old); *tēd-*, *tē-tēd-i*; *tūd-*, (Pr. *tund-*), *tū-tūd-i* (Ennius is said to have used *contūdīt*).

mord-ě-, mǒ-mord-1; pend-ě- (see above); spond-ě-, spǒ-pond-1; tond-ě-, tǒ-tond-1.

Nasals. cǎn-, cě-cǎn-1 (but compounds suffix -u, § 679, except 657 once, oc-cě-cǎn-1); mǎn-, mǎ-mǎn-1; tǎn-e-, te-tǎn-1, quoted from Pacuvius and Accius (usually tǎn-1).

Liquids. fall-, fě-fell-1; pǎl-, (Pr. pell-), pě-pǎl-1; tol-, (Pr. toll-), tǎ-tǎl-1 (in præ-August. poets; tǎl in some præ-Ciceronian inscriptions; usually tǎl-1).

curr-, cǔ-curr-1; pǎrī-, pě-pě-1.

Vowels. dǎ-, dǎ-dǎ-1; stǎ- (Pr. stǎ-), stě-tǎ-1; stě- (Pr. st-), stǎ-tǎ-1.

ii. Perfect stem formed by lengthening the stem vowel. 663

If the stem vowel be ǎ, it is changed to ǣ (except in scǎbǣre).

Labials. rūp-, (Pr. rump-), rūp-1; scǎb-, scǎb-1; ǣm-, ǣm-1; cǎpī-, cǣp-1.

Gutturals. lǣqv-, (Pr. linqv-); lǣqv-1; vīc- (Pr. vinc-), vīc-1; ǣg-, ǣg-1; frǣg-, (Pr. frang-), frǣg-1; lǣg-, lǣg-1 (but some compounds suffix s, § 673); pǣg-, (Pr. pang-), pǣg-1.

fǣcī-, fǣc-1; jǣcī-, jǣc-1; fūgī-, fūg-1.

Dentals. ǣd-, ǣd-1; fūd-, (Pr. fund-), fūd-1; ǣd-, (Pres. obsolete; comp. ǣdium), ǣd-1.

sǣdē-, sǣd-1; vīdē-, vīd-1; fǣdī-, fǣd-1.

Nasals. vǣnī-, vǣn-1.

Semivowels. jǣvǎ-, jǣv-1; lǣvǎ-, (lǣv- old), lǣv-1. 663

cǣvē-, cǣv-1; fǣvē-, fǣv-1; fǣvē-, fǣv-1; mǣvē-, mǣv-1; pǣvē-, pǣv-1; vǣvē-, vǣv-1.

The lengthening of the vowel in the verbs, which have v for their final consonant, is probably due to the absorption of a suffixed v (§ 681); e.g. cǣvī for cav-vī or cǣvū. In a similar way vīcī, vīdī, vǣnī may have arisen from an absorption of a reduplication, for vǣvīnī, &c.

iii. Perfect stem formed by suffixing s.

If the present stem ends in a vowel, the vowel is dropped before 672 the suffixed s. None of the verbs whose present stem ends in a have their perfect formed by s suffixed.

(This suffix is supposed to be (with the personal suffix) *es-i*, the ancient perfect of the stem *ēs*, and is apparently identical with the suffix of the first aorist in Greek.)

Labials. P. B. *carp-*, *carp-s-i*; *clēp-*, *clēp-s-i* (old); *nūb-*, *nup-s-i*; *rēp-*, *rēp-s-i*; *scalp-*, *scalp-s-i*; *scrib-*, *scrip-s-i*; *sculp-*, *sculp-s-i*; *serp-*, *serp-s-i*.

jūbē-, *ju-ss-i* (*jou-s-i* old form: probably *jūbeo* is for *jōveo*); *sæpī-*, *sæp-s-i*.

M. A euphonic *p* is generally inserted before *s*; *m* is once 671 assimilated.

cōm-, *comp-s-i*; so also *dēm-*, *prōm-*, *sūm-*; *prēm-*, *pres-s-i* (for *pren-s-i*); *tem-* (Pr. *temn-*), *temp-s-i*.

Gutturals. *lc*, *rc*, *lg*, *rg* throw away the guttural before *s*. 672

C. QV. *cōqv-*, *cox-i*; *dīc-*, (Pr. *dīc-*), *dix-i*; *dūc-*, (Pr. *dūc-*), *dux-i*; *parc-*, *par-s-i* (also *pē-perc-i*); so *conqvīnisco* has *conquex-i* (for *conquinx-i*? comp. *mix-tum* from *misceo*).

lūcē-, *lux-i*; *mulcē-*, *mul-s-i*; *torqvē-*, *tor-s-i*.

farcl-, *far-s-i*; *fulcl-*, *ful-s-i*; *sancī-*, *sanx-i*; *sarcl-*, *sar-s-i*; *vincī-*, *vinx-i*.

-līcl-, *-lex-i*; *-spīcl-*, *-spex-i*.

G. GV. *cing-*, *cinx-i*; *fīg-*, *fix-i*; *fing-*, (sup. *fīc-t-*), *finx-i*; *-fīg-*, 673 *fīx-i*; *fūgv-*, (Pr. *fīu-*), *flux-i*; *jung-*, *junx-i*; *-lēg-* (in compounds *dīlēg-*, *intellēg-*, *neglēg-*), *lex-i* (rarely *intel-lēg-i*, *neg-lēg-i*); *merg-*, *mer-s-i*; *ming-*, *minx-i*; *ēmung-*, *ēmunx-i*; *ningv-*, *ninx-it*; *pang-* (or *pāg-*), *panx-i* (usually *pēgi* or *pēpigi*); *ping-*, (supine *pīc-t-*), *pinx-i*; *plang-*, *planx-i*; *-pung-*, *-punx-i*; *rēg-*, *rex-i*; *sparg-*, *spar-s-i*; *stīngv-*, *stīnx-i*; *string-*, (sup. *strict-*), *strinx-i*; *strugv-*, (Pr. *stru-*), *strux-i*; *sūg-*, *sux-i*; *tēg-*, *tex-i*; *tīngv-*, *tīnx-i*; *vīgv-*, (Pr. *vīv-*), *vix-i*; *ungv-*, *unx-i*.

algē-, *al-s-i*; *augē-*, *aux-i*; *frīgē-*, *frix-i*; *fulgē-*, *ful-s-i*; *indulgē-*, *indul-s-i*; *lūgē-*, *lux-i*; *mulgē-*, *mul-s-i*; *conīgvē-*, (Pr. *cōnīve-*), *conix-i*; *tergē-*, (terg- old), *ter-s-i*; *turgē-*, *tur-s-i*; *urgē-*, *ur-s-i*.

H. *trāh-*, *trax-i*; *vēh-*, *vex-i*.

Dentals. The dental falls away or is assimilated before *s*, but 674 the preceding vowel is lengthened (cf. § 191. 2, 4).

T. *flect-*, *flex-i*; *mitt-*, *mī-s-i*; *nect-*, *nex-i*; *pect-*, *pex-i*.

sentī-, *sen-s-i*; *quātī-*, *quas-s-i* (e.g. *concūtī-*, *concus-s-i*).

D. *cēd-*, *ces-s-i*; *claud-*, *clau-s-i*; *divīd-*, *divī-s-i*; *lāed-*, *lā-s-i*; *lūd-*, *lū-s-i*; *plaud-*, *plau-s-i*; *rād-*, *rā-s-i*; *rōd-*, *rō-s-i*; *trūd-*, *trū-s-i*; *vād-*, *vā-s-i*.

ardē-, ar-s-i; rīdē-, rī-s-i; svādē-, svā-s-i.

Nasals. mănē-, man-s-i.

675

Liquids, &c. vell-, vul-s-i (post-Augustan cf. § 683); gēs-, (Pr. gēr-), ges-s-i; ūs-, (Pr. ūr-), us-s-i.

hæsē- (?), (Pr. hære-), hæ-s-i; hausī- (Pr. haurī-), hau-s-i. (Cf. p. 247 and Preface.)

Semivowel. rāvī-, -rau-s-i (rare).

iv. (a) Perfect stem formed by suffixing u¹ (vowel).

676

Labials. P. B. strēp-, strep-u-i.

crēpā-, crēp-u-i (very rarely -crēpāvi); cūbā-, (Pr. also cumb-), cūb-u-i (rarely cubāvi).

albe-, (Pr. also albesc-), alb-u-i; hābē-, hāb-u-i; lūbē-, lūb-u-it; rūbē-, (Pr. also rubesc-), rūb-u-i; sēnē-, (Pr. senesc-), sēn-u-i; sorbē-, sorb-u-i; stūpē-, (Pr. also stūpesc-), stūp-u-i; tābē-, (Pr. also tābesc-), tāb-u-i; tēpē-, (Pr. also tēpesc-), tēp-u-i; torpē-, (Pr. also torpesc-), torp-u-i.

rāpī-, rāp-u-i; rēalpī-, (Pr. resipisc-), rēsīp-u-i (also rēsīpīvi).

M. frēm-, frēm-u-i; gēm-, gēm-u-i; trēm-, trēm-u-i; vōm-, vōm-u-i.

dōmā-, dōm-u-i; tīmē-, tīm-u-i.

Gutturals. C. frīcā-, frīc-u-i; mīcā-, mīc-u-i (but dimicāvi); 677 ēnēcā-, ēnēc-u-i, (also ēnēc-ā-vi); -plīcā-, plīc-u-i, (also plīc-ā-vi); sēcā-, sēc-u-i.

ācē-, (Pr. also acesc-), āc-u-i; arcē-, arc-u-i; dēcē-, dēc-u-i; dōcē-, dōc-u-i; flaccē-, (Pr. also flaccesc-), flacc-u-i; jēcē-, jac-u-i; līcē-, līc-u-it; līqvē-, (Pr. also līqvesc-), līc-u-i; marcē-, (Pr. also marcesc-), -marc-u-i; nōcē-, nōc-u-i; plācē-, plāc-u-i; tācē- (-tīcesc-), tāc-u-i.

G. ēgē-, ēg-u-i; langvē-, (Pr. also langvesc-), -lang-u-i; pīgē-, pīg-u-it; rīgē-, (Pr. also rīgesc-), rīg-u-i; vīgē-, (Pr. also vīgesc-), vīg-u-i.

Dentals. T. mēt-, mess-u-i² (old and rare); stert-, stert-u-i; 678 tēr-, -tēr-u-i (once in Tibull.; usually trīvi).

¹ The suffix -ui or -vi is supposed by most philologists to be for fui. Thus the Umbrian ambre-fust is said to correspond to ambiverit. But, if vi and fui are from the same root, they are probably sister forms only.

² Messui is perhaps a secondary derivative, and stands in the same relation to meto, messum that statui does to sto, statum.

vătă-, văt-u-i (in Pers. once văt-ă-vi).

lătě-, (Pr. also lătesc-), lăt-u-i; obmūtě-, (Pr. obmūtesc-), obmūt-u-i; nītě-, (Pr. also nītesc-), nīt-u-i; innōtě-, (Pr. innōtesc-), innōt-u-i; ōportě-, ōport-u-it; pænītě-, pænīt-u-it; pătě-, (Pr. also pătesc-), păt-u-i; pūtě-, (Pr. also putesc-), pūt-u-i.

D. candě-, (Pr. also candesc-), cand-u-i; crūdě-, (Pr. crudesc-), crūd-u-i; mādě-, (Pr. also mădesc-), mād-u-i; pūdě-, pud-u-it; sordě-, (Pr. also sordesc-), sord-u-i; obsurdě-, (Pr. obsurdesc-), obsurd-u-i.

Nasals, Liquids, &c. N. -cîn-, -cîn-u-i (but căn-, cēcîni); găn-, 679 (Pr. gîgn-), găn-u-i.

sônă-, sôn-u-i; tônă-, tôn-u-i.

ēmīně-, emīn-u-i; mōně-, mōn-u-i; sēne- (Pr. usually sēnesc-), sēn-u-i; tēně-, tēn-u-i; ēvăně- (Pr. ēvānesc-), ēvăn-u-i.

L. ăl-, ăl-u-i; cōl-, cōl-u-i; consūl-, consūl-u-i; mōl-, mōl-u-i; ōl-, (also ōlē-), ōl-u-i; vōl-, (Pr. inf. velle), vōl-u-i.

călě-, (Pr. also călesc-), căl-u-i; calle-, (Pr. also callesc-), call-u-i; coalě-, (Pr. coalesc- intrans.; comp. ăio trans.), coăl-u-i; dōlē-, dōl-u-i; pallě-, (Pr. also pallesc-), pall-u-i; sīlē-, (Pr. also sīlesc-), sīl-u-i; stūdě-, stūd-u-i; vălě-, (Pr. also vălesc-), văl-u-i.

ēvīlē-, (Pr. ēvīlesc-), ēvīl-u-i.

sălī-, săl-u-i (rarely sālī).

R. săr-, săr-u-i.

680

ărě-, (Pr. also ăresc-), ăr-u-i; cărě-, căr-u-i; clărě-, (Pr. also clăresc-), clăr-u-i; crēbre-, (Pr. crēbresc-), crēbr-u-i; dūrě-, (Pr. dūresc-), dūr-u-i; flōrě-, (Pr. also flōresc-), flōr-u-i; horrě-, (Pr. also horresc-), horr-u-i; mătūre-, (Pr. mătūresc-), mătūr-u-i; mērě-, mēr-u-i; nīgre-, (Pr. also nīgresc-), nīgr-u-i; părě-, păr-u-i; terrě-, terr-u-i.

ăpērī-, ăpēr-u-i; ōpērī-, ōpēr-u-i; sārī-, sār-u-i (also sārīvi).

S. depa-, depa-u-i; nex-, nex-u-i; pōs-, (Pr. pōn-), pōs-u-i; tex-, tex-u-i.

censě-, cens-u-i; tors-, (Pr. torrě-), torr-u-i.

Semivowels. ferv- (also fervě- and ferve-sc-), ferb-u-i (also fervi).

iv. (b) Perfect stem formed by suffixing **v** (consonant). 681

The consonantal **v** is suffixed to vowel stems only (except *pasco*?), and the preceding vowel is always long.

All regular verbs with stems in **ā-** or **i-** (unless otherwise mentioned) have their perfect stem formed in this way. So also

Labials. **cūpi-**, (Pr. **cūpi-**, except once **cupiret**), **cupī-v-i**; **sūpi-**, (Pr. **sūpi-**), **sapī-v-i**.

Dentals. **pētī-**, (Pr. **pēt-**), **petī-v-i**; **rūdī-**, (Pr. **rūd-**), **rudī-v-i**.

Sibilant. **arcessī-**, (Pr. **arcess-**), **arcessī-v-i**; **cāpessī-**, (Pr. **capess-**), **capessī-v-i**; **facessī-**, (Pr. **facess-**), **facessī-v-i**; **incessī-**, (Pr. **incess-**), **incessī-v-i**; **lācessī-**, (Pr. **lācess-**), **lācessī-v-i**; **pōsi-**, (Pr. **pōn-**), **posī-v-i** (always in Plaut., Ter., also in Cato, Catull.: for **posui** see § 680); **quassī-**, (Pr. **quass-**), **quassī-v-i**.

pās-, (Pr. **pasc-**, for **pas-sc-**), **pā-v-i** (cf. § 93. 2).

Monosyllabic vowel verbs: (also **oleo**, **quiesco**).

682

A. **sā-**, (Pr. **sār-**), **sē-v-i**; **strā-**, (Pr. **stern-**), **strā-v-i**.

O. **no-**, (Pr. **nosc-**), **nō-v-i**.

U. **fu-** (§ 719), **fū-v-i** (Plaut. but usually **fui**); comp. **plu-** (§ 648), **plūvi** (also **plui**).

E. **crē-**, (Pr. **cer-n-**), **crē-v-i**; **crē-**, (Pr. **cre-sc-**), **crē-v-i**; **flē-**, **flē-v-i**; **dēlē-**, **dēlē-v-i**; **nē-**, **nē-v-i**; **-ōlē-** (e.g. **abole-sc-o**, **adole-sc-o**, **obsole-sc-o**), **-ōlē-v-i**; **-plē-**, **-plē-v-i**; **quē-**, (Pr. **quiesc-**), **quē-v-i**; **sprē-**, (Pr. **sper-n-**), **sprē-v-i**; **svē-** (Pr. **sve-sc-**), **svē-v-i**.

I. **cī-**, (Pr. **cīē-**, also **cī-**), **cī-v-i**; **i-**, (Pr. ind. 1st pers. **eo**), **i-v-i**; **ī-**, (Pr. **īn-**), **ī-v-i** and **lē-v-i**; **quī-**, (Pr. ind. 1st pers. **queo**), **quī-v-i**; **scī-**, (Pr. **sci-sc-**; besides the regular **i** verb, **scio**), **scī-v-i**; **sī-**, (Pr. **sīn-**), **sī-v-i**; **trī-**, (Pr. **tēr-**), **trī-v-i** (cf. § 678).

v. Perfect stem, same as present stem.

683

This is frequent (1) in the compounds of verbs of which the simple has a reduplicated perfect (see Chap. xxx.); (2) by the dropping of **v**, in perfects, in **-īvi**, **-ēvi**, **-āvi** (see §§ 661, 662); (3) regularly in verbs with **-u** stems, which with other, chiefly consonantal, stems are here named:—

Labials. **bīb-**, **bībi**; **lamb-**, **lambi**.

Gutturals. **īc-**, **īci**.

langv-e, **langvi** (cf. § 669); **conigvē-**, (Pr. **cōnīve-**), **conīvi** (also **conīxi**).

Dentals. **T.** **vert-**, **vert-i**.

D. **-cand-**, **-cand-i**; **cūd-**, **cūd-i**; **-fend-**, **-fend-i**; **fīd-**, (Pr. **find-**), **fīd-i** (probably for **fēfīd-i**); **mand-**, **mand-i**; **pand-**, **pand-i**; **prehend-**, **prehend-i**; **scand-**, **scand-i**; **scīd-**, (Pr. **scind-**), **scīd-i** (**sci-cīd-i** old); **sīd-**, **sīd-i**; **retund-**, **retund-i**.

prand-e, **prand-i**; **strīd-e**, **strīd-i**.

Liquids and Sibilants.

L. psall-, psall-i; vōl-, (Pr. vell-), vell-i (rarely vulsi).

R. verr-, verr-i.

compēr-i-, compēr-i; repērī-, rēppēr-i (both probably compounds of a perfect pēpēri).

S. pins-, (also pīs-), pins-i; vis-, vis-i.

Vowels.

584

U, vowel and consonant.

ācū-, acu-i; argū-, argu-i; bātū-, batū-i; exū-, exu-i; fu-, fu-i (in Plautus sometimes fū-vi); grū-, gru-i; imbū-, imbu-i; indū-, indu-i; lū-, lu-i; mētū-, mētu-i; mīnū-, mīnu-i; plū-, plu-i, also plūvi; nū-, nu-i; spū-, spu-i; stātū-, stātu-i; sternū-, sternu-i; sū-, su-i; trībū-, tribu-i.

solv-, solv-i; volv-, volv-i.

ferve-, ferv-i (also ferbui).

I. ādi-, (Pr. ind. 1st pers. sing. adeo), ādi-i; so usually the compounds of eo; inquit-, (Pr. ind. inquam), inquit; sālī-, sal-i-i (rare, usually sālui).

Among those verbs which have no perfect active in use 685 the following non-derivative verbs may be mentioned.

Labials. glūb-.

Gutturals. C. fātisc-; gli-sc-; hi-sc-.

āmīc-i (see however Chap. xxx.).

G. ang-; clang-; frīg-; ling-; verg-.

Dentals. D. fid-, (fīsus sum); frend-.

aud-e, (ausus sum).

Liquids. fēr-, (Pr. inf. ferre: perfect in use, tūlī); fūr-; gavid-, (Pr. gāūd-e, gāvīsus sum).

Vowels. E. vi-e.

I. ai-, (Pr. ind. ajo); fi-, (Pr. ind. fio).

CHAPTER XXIV.

OF THE SUPINE STEM.

THE supine stem has a common base with the stem of the past ⁶⁸⁵ and the future participles, and that of some verbal substantives, to which class the supines themselves belong; e.g. supine, **ama-t-u-**; past part. **amā-t-o-**; fut. part. **amā-t-ūro-**; subst. denoting *agent*, **amā-t-ōr-**; denoting *action* **amā-t-lōn-**. This common base, which will be here spoken of as the supine stem, is **-t-** suffixed to the stem of the verb. When the verb-stem ends in a vowel, the vowel is, if long, generally retained; if short, almost always changed, (except in monosyllables), to **ī** (§ 241), or omitted altogether. A few verbs which have a consonant stem, have **-it-** instead of **-t-** in the supine, as if from a vowel stem. When the verb-stem ends in a consonant, or loses its final vowel, the **-t** is, when following certain consonants, changed to **-s**. A few other instances of this softening admit of special explanation.

The verbs here will be classified according as they do or do not exhibit a vowel before the supine suffix, and, subordinately to that, according to the final vowel or consonant of the verb stem.

N.B. The supine itself will be here named whenever either supine, past participle, or verbal substantive in **-tu** exists: otherwise such other form from the same base, as does exist.

i. Verbs with a vowel preceding the supine suffix. ⁶⁸⁷

A. 1. Verbs having **ā** in supine stem; **na-** (for **gēnā**? Pr. inf. **nasci**), **nātum**; **strā-**, (Pr. **stern-**), **strātum**; **tlā-**, (Pr. **toll-**), **lātum**; **āmā-**, **āmātum**; and all other verbs with derivative **ā** stems.

fricā-, **fricātum** (also **fric-tum**); **mīcā-**, **-mīcātum**; **nēcā-**, **nēcātum** (but cf. § 700); **sēcā-**, **secāturus** (once).

2. Verbs having **-ā** in supine stem; **dā-**, **dātum**; **rā-**, (Pr. inf. ⁶⁸⁸ **rēri**: for the vowel, cf. § 668), **rātum**; **sā-**, (Pr. **sēr-**), **sātum**; **stā-**, (Pr. inf. **stāre**; also **sistēre**), **stātum** (but in some compounds **stā-turus**).

3. Verbs having -ī (for -ā) in supine stem; *crēpā-*, *crepī-tum*; *cūbā-*, (Pr. also *cumb-*), *cūbī-tum*; *dōmā-*, *dōmī-tum*; *-plicā-*, *-plicī-tum* (also *plicā-tum*); *sōnā-*, *sōnī-tum* (*sonā-turus*, once); *tōnā-*, *tōnī-tum* (*intonā-tus*, once); *vētā-*, *vētī-tum*.

In *jūvā-*, *jū-tum* (rarely *juvā-turus*); *lāvā-* (also *lāv-*), *lau-tum*: the *i* is absorbed by the *v* preceding.

O. *no-*, (Pr. *nosc-*), *nō-tum*; *pō-*, (whence *pōtare* frequentative) *pō-tus*; *cognō-* (cf. § 647), (so also *agno-*), *cognī-tum*.

U. 1. Verbs having *ū* in supine stem; *ācū-*, *ācū-tum*; *argū-*, *argū-tum*; *dilū-*, *dilū-tum*; *exū-*, *exū-tum*; *glū-* (Pr. *glūtā-*, frequentative) *glū-tus*, adj.; *imbū-*, *imbū-tum*; *indū-*, *indū-tum*; *metū-*, *metū-tum* (Lucr. once); *minū-*, *minū-tum*; *-nū-*, *nū-tum* (*abnuī-turus* in Sall.); *spū-*, *spū-tum*; *stātū-*, *stātu-tum*; *sū-*, *sū-tum*; *tribū-*, *tribū-tum*; *tū-* (Pr. *tue-* usually), *tū-tum*.

lōqv-, *locū-tum*; *seqv-*, *sēcū-tum*; *solv-*, *solū-tum*; *volv-*, *volu-tum*.

fru- (for *frugv-*) has rarely *frutūrus* (usually, *fruc-tum*).

2. Verbs having -ū in supine stem; *rū-*, *rū-tum*, (but *rūtum* ⁶⁹¹ according to Varr.; fut. part. is *ruī-tūrus*); *pū-*, (whence *pūtāre* frequentative), *pū-tus* (adj.); *clū-*, (almost always *clue-*), *-clūtum* (*inclūtus*).

E. 1. Verbs having -ē in supine stem; *crē-*, (Pr. *cern-*, also ⁶⁹² Pr. *cresc-*), *crētum*; *delē-*, *delē-tum*; *fē-*, (Pr. *fētā-*, frequentative), *fē-tus* (adj.); *flē-*, *flē-tum*; *nē-*, *nē-tum* (Ulp.); *-olē-* (Pr. *obs-*, *exolesc-*), *-olē-tum*; *-plē-*, *plē-tum*; *quē-*, *quē-tum*; *svē-*, (Pr. *svesc-*), *svētum*; *sprē-*, (Pr. *spern-*), *sprē-tum*. Perhaps also *fer-re*, *frē-tus*.

2. Verbs having -ē in supine stem; *vēgē-*, *vēgē-tus* (adj.); ⁶⁹³ *viē-*, *viē-tum* (Hor., but *viē-tum* Ter. Lucr.).

3. Verbs having *i* (for -ē) in supine stem; *ābōle-*, *ābōlī-tum*; *cālī-*, *cālī-turus*; *cārī-*, *cārī-turus*; *dōlī-*, *dōlī-turus*; *exercē-*, *exercī-tum*; *hābē-* (and compounds *dēbē-*, *præbē-*), *hābī-tum*; *jācē-*, *jācī-turus*; *licē-*, *licī-tum*; *lūbē-*, *lūbī-tum*; *mērē-*, *mērī-tum*; *misērē-*, *misērī-tum* (rarely *misertum*); *mōnē-*, *monī-tum*; *nōcē-*, *nōcī-tum*; *pārē-*, *parī-turus*; *pīgē-*, *pīgī-tum*; *plācē-*, *plācī-tum*; *pūdē-*, *pūdī-tum*; *sōlē-*, *solī-tum*; *tācē-*, *tācī-tus* (adj.); *terrē-*, *terrī-tum*; *vālē-*, *vālī-turus*; *vērē-*, *vērī-tum*. *Sorbē-* has subst. *sorbī-tio*.

cāvē-, *cāvī-tum* (old: usually *cau-tum*); *fāvē-*, *fau-tum* (for *favī-* ⁶⁹⁴ *tum*; cf. *fāvitor* Plaut.). So also *fōvē-*, *fō-tum*; *mōvē-*, *mō-tum*; *vōvē-*, *vōtum*.

I. (1) Verbs having -i in supine stem; **audi-**, **audi-tum**; and 695 others which have -ivi in perfect, except those in § 655.

blandi-, **blandi-tum**; **largi-**, **largi-tum**; **menti-**, **menti-tum**; **mōli-**, **mōli-tum**; **parti-**, **parti-tum**; **poti-**, **poti-tum**; **sorti-**, **sorti-tum**.

sanci-, **sanci-tum** (**sanc-tum** more frequently); **pēri-**, **pēr-itus**, adj. (but in comp. -**per-tum**); **opperi-**, **opperitum** (also **oppertum**); **oblivi-**, **oblitum** (for **oblivitum**) probably has stem in i. Perhaps also **pinsi-** (usually **pins-**), **pinsi-tum** (see Chap. xxx.).

cūpi-, **cūpi-tum**; **pēti-**, (Pr. **pēt-**), **pēti-tum**; **quæsi-**, (Pr. **quær-**), **quæsi-tum**; **rūdi-**, (Pr. **rūd-**), **rūdi-tum**; **tri-**, (Pr. **tēr-**), **tritum**; **arcessi-**, (Pr. **arcess-**), **arcessi-tum**; so also **laccessi-tum**, **capessi-tum**, **facessi-tum**.

(2) Verbs having -i in supine stem; **ci-**, (Pr. **cie-**), **ci-tum** 696 (sometimes -**ci-tum**); **i-**, (Pr. ind. **eo**), **i-tum**; **li-**, (Pr. **lin-**), **li-tum**; **qui-**, (Pr. ind. **queo**), **qui-tum**; **si-**, (Pr. **sin-**), **si-tum**.

fūgi-, **fūgi-tum**; **ēlici-**, **ēlici-tum** (but **illici-**, **illec-tum**, &c.), **mōri-**, **mōri-turus**; **ori-**, **ōri-tūrus** (sup. **or-tum**); **pāri-**, **pāri-tūrus** (sup. **par-tum**); **pōsi-**, (Pr. **pōn-**), **pōsi-tum**.

Consonant stems. **āl-**, **āl-tum** (more usually **al-tum**); **frēm-**, 697 **frēm-i-tum**; **gēm-**, **gēm-i-tum**; **gēn-** (Pr. **gign-**), **gēni-tum**; **mōl-**, **mōl-i-tum**; **strēp-**, **strēp-i-tum**; **vōm-**, **vōm-i-tum**). In *Columelia* (no where else) **pecto** has **pectitum**.

[Of these supines in -itum from consonantal stems, **alitum** is a 698 post-Augustan form, used perhaps to distinguish the participle of **alēre** from its use as the adjective **al-tus**. A like cause may be given for the form **molitum**, to distinguish from **multus**; **fremitum**, **gemitum**, **vomitum** would, without the i, have to lose their characteristic m (**fren-tum**, **gen-tum**, **von-tum**), or assume the ugly forms **fremptum**, **gemptum**, **vomptum** (cf. § 70). And **gemitum**, **genitum**, would in the former case become identical. **Genitum** is probably from **gēnā-** (comp. **gna-sc-or**); and **strepitum** may have had a present stem **strepā-** once. Comp. the words in § 688. All have perfects in -ui.]

ii. Verbs with a consonant preceding the supine 699 suffix.

1. Verbs which retain -t.

Labials. P. **carp-**, **carp-tum**; **clēp-**, **clēp-tum**; **rēp-**, **rep-tum**; **rūp-**, (Pr. **rump-**), **rup-tum** (**rumptum**, Plaut.); **scalp-**, **scalp-tum**; **sculp-**, **sculp-tum**; **sarp-**, **sarp-tum**; **serp-**, **serp-tum**.

āpī-, (Pr. apī-sc-), ap-tum; cāpī-, cap-tum; rāpī-, rap-tum; sēpī-, sēp-tum.

B. glūb-, glup-tum; nūb (Pr. nūb-), nup-tum; scrib-, scrip-tum.

M. ēm-, em-p-tum; tem-, (Pr. temn-), tem-p-tum.

Gutturals. After a preceding consonant (except n), the guttural 700 usually falls away.

C. Qv. Coqv-, coc-tum; dīc-, (Pr. dīc-), dīc-tum; dūc-, (Pr. dūc), duc-tum; herc- (? Pr. herciscere), herc-tum; ic-, ic-tum; liqv-, (Pr. liqv-), -lic-tum); vic-, (Pr. vinc-), vic-tum.

fricā-, fric-tum (also fricā-tum); ēnēcā-, ēnēc-tum; sēcā-, sec-tum (also sēcāturus).

arcē-, arc-tum or ar-tum; dōcē-, doc-tum; misce-, mix-tum (for misc-tum? but cf. § 635: in MSS. often mis-tum); torqvē-, tor-tum.

āmīcī-, amic-tum; farcī-, far-tum; fulcī-, ful-tum; sancī-, sanc-tum (also sancī-tum); sarcī-, sar-tum; vincī-, vinc-tum.

fācī-, fac-tum; jācī-, jactum; nanci-, (Pr. nanci-sc-), nanc-tum or nac-tum; -spīcī-, -spec-tum.

G. GV. (For stems ending in -lg-, -rg. see § 706); āg-, ac- 701 tum; cing-, cinc-tum; flg-, (Pr. and Perf. flng-), flc-tum; -flg-, -flc-tum; flugv-, (Pr. flu-), fluc-tus subst., also fluxus adj.; frāg-, (Pr. frang-), frac-tum; frīg-, fric-tum; frugv-, (Pr. fru-), fruc-tum; fung-, func-tum; jung-, junc-tum; lēg-, lec-tum; ling-, lic-tum; mīg-, (Pr. ming- and mej-), mic-tum and minc-tum; -mung-, -munc-tum; pāg-, (Pr. pang-), pactum; pīg-, (Pr. and Perf. ping-), pic-tum; plang-, plane-tum; pung-, punc-tum; rēg-, rec-tum; rig-, (Pr. ring-), ric-tus subst.; stingv-, stinc-tum; strīg-, (Pr. and Perf. string-), stric-tum; strugv-, (Pr. stru-), struc-tum; sūg-, suc-tum; tāg-, (Pr. tang-), tac-tum; tēg-, tec-tum; tingv-, tinc-tum; ungv-, unc-tum; vigv-, (Pr. viv-), vic-tum.

augē-, auc-tum; lūgē-, luc-tus subst.

-līcī-, -lec-tum (except elīcī-tum).

H. trāh-, trac-tum; vēh-, vec-tum.

Dentals. See §§ 707, 708.

702

tend-, ten-tum (also tensum; probably the supines of tendo and teneo are mixed); comēd-, comes-tum (rarely).

Nasals, Liquids, &c.

703

N. Cān-, can-tus subst.; -mān-, e.g. commīn-isc-, commen-tum.

tēnē-, tentum; vēnī-, ven-tum.

L. *āl-*, *al-tum*; *cōl-*, *cul-tum*; *consul-*, *consul-tum*; *occul-*, *occul-tum*; *vol-* (Pr. inf. *velle*), *vultus*, subst. *expression*.

adōle (Pr. *adolesc-*), *adul-tum* (see Chap. xxx.).

sālī-, *sal-tum*; *sēpālī-*, *sēpul-tum*.

R. *eēr-*, (Pr. *cern-*), *cer-tus* adj. (also *crē-*, *crē-tus*); *sēr-*, *-ser-tum* (also *serta*, n. pl. *garlands*).

ōrī-, *or-tum* (cf. § 696); *āpērī-*, *aper-tum*; *pārī-*, *par-tum*.

S. *deps-*, *deps-tum*; *fēs-*, (Pr. *fēri*¹?), *fes-tum* (e.g. *infes-tus*, 704 *manifes-tus*); *gēs-*, (Pr. *gēr-*), *ges-tum*; *pās-*, (Pr. *pasc-*), *pas-tum*; *pīs-*, *pīs-tum*; *quēs-*, (Pr. *quēr-*), *ques-tum*; *tex-*, *tex-tum*; *ūs-*, (Pr. *ēr-*), *us-tum*; *tors-*, (Pr. *torre-*), *tos-tum*.

hausī-, (Pr. *hauri-*), *haus-tum*; *pōsī-*, (Pr. *pōn-*), *pos-tum* (sometimes).

2. Verbs with *t* suffixed: but softened to *s* by the influence usually either of a preceding dental, or of two consonants of which the first is a liquid. A vowel preceding *-sum* is always long. (Other cases are but few; and the *sum* may be partly due to the active perfect (if any) having *-si*, as it has in all these exceptional cases, except *censui*, and there the *s* of the stem is perhaps a substitute for an earlier *t*.) 705

Labials. *lāb-*, *lap-sum*; *jūbē-*, *jus-sum* (for *jōvē-*, *jousum*?).

prem-, *pres-sum* (for *pren-sum*).

Gutturals. The guttural usually drops out. 706

C. QU. *parc-*, *par-sum*.

mulcē-, *mul-sum*.

G. *fig-*, *fixum* (but *fictum* in Varr. Lucr.); *flugv-*, (Pr. *flu-*), *fluxus* adj. (*fluc-tus* subst.); *merg-*, *mer-sum*; *sparg-*, *spar-sum*.

mulgē-, *mul-sum*; *tergē-*, *ter-sum*.

Dentals. The dental either drops out, the preceding vowel being therefore lengthened, or is assimilated. N.B. All dental stems have *-sum* (see § 702). 707

¹ *Fērire* seems a suitable verb to which to refer *infestus* and *manifestus*, *confestim*; (comp. also *festinare*); and *festus* itself is in meaning allied to *fēriā*, which Festus (p. 85) derives a *feriendis victimis*; comp. *foedus fērire*, to strike a bargain. The differing quantities of *e* are however noticeable in this last etymology. *Fendere*, to which these forms are often referred, both ought to make, and does make, *fensus*, not *festus*.

T. flect-, flexum; mēt-, mes-sum; mitt-, mis-sum; nect-, nexum; nict-, (Pr. nīt-), nixum or nī-sum; pect-, pexum (in Columella, pectī-tum); -plect-, -plexum; vert-, ver-sum; ūt-, ū-sum.

fātē-, fas-sum.

sentī-, sen-sum; menti-, (Pr. mētī-), mensum; senti-, sen-sum.

fātī-, (Pr. fatisc-), fes-sus adj.; pātī-, pas-sum; quātī-, quas-sum. 708

D. cād-, cā-sum; cæd-, cæ-sum; cēd-, ces-sum; claud-, clau-sum; cūd-, cū-sum; divid-, divī-sum; ēd-, ē-sum (rarely comes-tum, from comēd-); -fend-, -fen-sum; fid-, fī-sum; fīd-, fīssum; frend-, fres-sum or frē-sum; fud-, (Pr. fund-), fū-sum; læd-, læsum; lūd-, lū-sum; mand-, man-sum; ōd-, -ōsum (e.g. per-ōsus, exōsus); pand-, pan-sum or pas-sum; pend-, pen-sum; plaud-, plau-sum;prehend-, prehen-sum; rād-, rā-sum; rōd-, rō-sum; scand-, scan-sum; scīd-, (Pr. scind-), scis-sum; tend-, ten-sum (also ten-tum); trūd-, trū-sum; tud- or tund-, tu-sum or tūn-sum.

arde-, ar-sūrus; aud-e-, au-sum; gavid-e-, (Pr. gaude-), gāvī-sum; morde-, mor-sum; pende-, pen-sum; prand-, pran-sum; rīde-, rī-sum; sēde-, ses-sum; sponde-, spon-sum; suāde-, suā-sum; tæd-e-, tæ-sum; tonde-, ton-sum; vīde-, vī-sum.

ordī-, or-sum; fōdī-, fos-sum; grādī-, gres-sum (ad-gre-tus is said to have been used by Ennius).

Nasals, Liquids, &c.

709

N. māne-, man-sum.

L. -cell-, -cul-sum; fall-, fal-sum; pell-, pul-sum; sall-, sal-sum; vell-, vul-sum.

R. curr-, cur-sum; verr-, ver-sum.

S. cense- (perhaps a derivative from census), cen-sum; hæse- (?) (Pr. hære-), hæ-sum.

hausī- (Pr. haurī-), hau-sūrus (also haus-tum, see p. 247).

Many verbs have no supine or other words of this formation in use.

The supines are respectively the accusative and ablative (or in 710 some uses apparently the dative), of a verbal noun in -u. They are called respectively active supine, or supine in -um, and passive supine or supine in -u.

From this so-called supine stem are formed, as has been said, the future participle active by suffixing *-ūro-*, sing. nom. *-ūrus* (m.); *-ūra* (f.), *-ūrum* (n.); and the past participle passive, by suffixing the ordinary case endings of the second class; e.g. sing. nom. *-us* (m.), *-ā* (f.), *-um* (n.).

These participles, in the appropriate gender and number, are used in the nominative case with the finite tenses of the verb *sum*, and in the accusative as well as the nominative with the infinitive of the same verb to supply the place of certain tenses for which there is no special form. The future participle thus supplies additional future tenses in the active voice especially in the subjunctive: the past participle supplies the perfect tenses of the passive voice, whether the passive voice have a strictly passive meaning, or, as in deponents an active or reflexive meaning.

A few instances are found in which the real formation of these compound expressions appears to have been forgotten. Thus Gracchus is said to have used the expression "*Credo ego inimicos meos hoc dicturum*" (for *dicturos*); Valerius Antias to have written "*Aruspices dixerunt omnia ex sententia processurum*" (Gell. I. 7. 10).⁷¹¹

For the future infinitive passive is sometimes used a combination of the supine in *-um* and the passive infin. of *eo*, viz. *iri*, impersonally; but Plautus has (*Rud.* 1242), "*Mi istæc videtur præda prædatum irier*;" and Quintil. IX. 2. 88, "*Reus parricidii damnatum iri videbatur*."

From Claudius Quadrigarius is quoted "*hostium copias iri occupatas futurum*" (for *occupatum iri*). (Gell. I. 7. 9.)

CHAPTER XXV.

OF THE TRADITIONAL CLASSIFICATION OF VERBS.

As the ordinary classification of verbs is often referred to, it ⁷¹² may be convenient here to give a brief account of it. It is as old as Charisius at least, who wrote probably in the fourth century after Christ.

Verbs are generally divided according to their form into four classes, called *Conjugations*.

The four conjugations are distinguished by the vowel which immediately precedes *re* in the infinitive mood; which in the 1st conjugation is *ā*: in the second *ē*¹: in the third *ē*, not usually belonging to the stem: in the fourth *i*.

The distribution of the verbs among these conjugations is as follows.

I. First conjugation contains all vowel verbs, whose stem ends in *ā*; as *ām-o*, *I love*, infin. *āmā-re*.

II. Second conjugation contains all vowel verbs whose stem ends in *ē*; as *mone-o*, *I advise*, infin. *mōnē-re*.

III. Third conjugation contains all verbs whose stem ends in a consonant, or in *u*, or a variable *i* (called *i* above, § 656); as

rēg-o, *I rule*, infin. *rēg-ēre*.

tribu-o, *I assign*, infin. *tribu-ēre*.

cāpi-o, *I take*, perf. *cēp-i*, infin. *cāpē-re*.

IV. Fourth conjugation contains all vowel verbs whose stem ends in *i*, as *audi-o*, *I hear*, infin. *audi-re*.

¹ i. e. *ē* according to the ordinary doctrine; but see §§ 650—652.

The following are the regular forms of the perfect and supine ⁷¹³ in the several conjugations according to the ordinary description.

In the 1st conjugation the regular perfect is formed by the addition of **vi** to the stem, the regular supine by the addition of **tum**, e.g. **āmā-vi**, **āmā-tum**.

The exceptions are few: two verbs **do**, **sto** have a reduplicated perfect **dōdi**, **stēti**: two others, **jūvo**, **lāvo**, lengthen the stem vowel e.g. (**jūvi**, **lāvi**): the others add **ui** to the stem, the final **a** being omitted; e.g. **crēpa-**, **crēp-ui**. None form the perfect in **si** or **i** simple. None form the supine in **sum**.

In the 2nd conjugation the regular perfect is formed by the addition of **ui** to the stem, the regular supine by the addition of **itum**, the final stem vowel **e** being omitted, as **mone-**, **mon-ui**. The exceptions are numerous, and of all kinds: the larger number adding **si**. Many have the supine in **sum**.

In the 3rd conjugation all the forms are much used, some having even the long characteristic vowel of the other three conjugations, e.g. **sterno**, **strāvi**; **sperno**, **sprēvi**; **tero**, **trivi**. These are clearly instances of a vowel stem in the perfect and supine superseding a consonant stem. Many have the supine in **sum**.

In the 4th conjugation, the regular perfect is formed by the addition of **vi** and the regular supine by the addition of **tum** to the stem; e.g. **audī-vi**, **audī-tum**. The exceptions are few: one lengthens the stem vowel (**vēni-o**, **vēni**): one simply adds the personal inflexions (**compēri-o**, **compēr-i**). Three have perfect in **ui**; viz. **aperio**, **operio**, and **salio**, nine have perfect in **si**. Two, viz. **eo** and **clo**, have short **i** in supine. None form the perfect by reduplication, except perhaps **repēri-o**, **reppēr-i**. Several have supine in **sum**.

CHAPTER XXVI.

EXAMPLES OF THE COMPLETE INFLEXIONS OF VERBS.

IN this chapter are given specimens of the complete inflexions of verbs: first, of the tenses formed from the present stem; secondly, of the tenses formed from the perfect stem; and lastly of the verbal nouns, which have the same base as the so-called supines, and assist in supplying defective tenses.

For the present stem the different persons in each number are given in full, of one consonant verb (*rēgo*), and of one verb (*āmo*) belonging to the class of vowel verbs which is most numerous, and has inflexions most different from consonant verbs, viz. *a* stems. Specimens, less full, of four other classes of vowel stems, viz. in *u*, *i*, *ī* and *ē* are given on pp. 228, 229. The omitted forms can be easily supplied by comparison with the forms of *rego* and *amo*.

The tenses formed from the perfect stem and the verbal nouns classed under the supine stem have the same inflexions generally, whatever be the verbal stem, except so far as regards the formation of the perfect and supine stems themselves. And the differences in the formation of these do but very partially coincide, as has been seen (ch. XXIII. XXIV.), with the classification of verbal stems. The specimens given on pp. 230, 231 are therefore only an arbitrary selection of the most striking sorts.

PRESENT STEM.

Consonant Conjugation.

714

Active Voice.		Passive Voice.		
Present.				
	Indic.	Subjunc.	Indic.	Subjunc.
Sing. 1.	ræg-o	ræg-am	ræg-ör	ræg-är
2.	reg-ïs	reg-äs	reg-ër-ïs	reg-är-ïs
3.	reg-ît	reg-ât	reg-ît-ür	reg-ât-ür
Plur. 1.	reg-îm-üs	reg-âm-üs	reg-îm-ür	reg-âm-ür
2.	reg-ît-ïs	reg-ât-ïs	reg-îmîn-î	reg-âmîn-î
3.	reg-unt	reg-ant	reg-unt-ür	reg-ant-ür
Future.				
Sing. 1.	ræg-am		ræg-är	
2.	reg-ēs		reg-ër-ïs	
3.	reg-ēt		reg-ēt-ür	
Plur. 1.	reg-ēm-üs		reg-ēm-ür	
2.	reg-ēt-ïs		reg-ēmîn-î	
3.	reg-ent		reg-ent-ur	
Imperfect.				
Sing. 1.	ræg-ēb-am	ræg-ër-em	ræg-ēb-är	ræg-ër-ër
2.	reg-eb-äs	reg-er-ēs	reg-eb-är-ïs	reg-er-ër-ïs
3.	reg-eb-ât	reg-er-ēt	reg-eb-ât-ür	reg-er-ēt-ür
Plur. 1.	reg-eb-âm-us	reg-er-ēm-üs	reg-eb-âm-ür	reg-er-ēm-ür
2.	reg-eb-ât-ïs	reg-er-ēt-ïs	reg-eb-âmîn-î	reg-er-ēmîn-î
3.	reg-eb-ant	reg-er-ent	reg-eb-ant-ur	reg-er-ent-ür

Imperative Mood.			
		Active.	Passive.
Present.	Sing. 2.	ræg-ē	reg-ërē
	Plur. 2.	reg-ît-ē	reg-îmîn-î
Future.	Sing. 2 }	ræg-ît-o	ræg-ît-ör
	3 }		
	Plur. 2.	reg-ît-ēt-ē	(none)
	3.	reg-unt-o	reg-unt-ör

Verbal Noun-Forms.			
		Active.	Passive.
Infinitive (Present)		ræg-ër-ē	ræg-î
Participle (Present), Nom.		ræg-ens	
Gerund	Nom. }	ræg-end-um &c.	ræg-end-us &c.
	Acc. }		
		Gerundive nom. masc. sing.	

PRESENT STEM. *Principal Vowel Conjugation.*

715

Active Voice.		Passive Voice.		
Present.				
	Indicative.	Subjunctive.	Indicative.	Subjunctive.
Sing. 1.	ăm-o	ăm-ēm	ăm-ör	ăm-ēr
2.	am-ās	am-ēs	am-ār-ıs	am-ēr-ıs
3.	am-ăt	am-ēt	am-ăt-ür	am-ēt-ür
Plur. 1.	am-ăm-ūs	am-ēm-ūs	am-ăm-ür	am-ēm-ür
2.	am-ăt-ıs	am-ēt-ıs	am-ămın-ı	am-ēmın-ı
3.	am-ânt	am-ent	am-ant-ür	am-ent-ür
Future.				
Sing. 1.	ăm-ăb-o		ăm-ăb-ör	
2.	am-ăb-ıs		am-ăb-ēr-ıs	
3.	am-ăb-ıt		am-ăb-ıt-ür	
Plur. 1.	am-ăb-ım-ūs		am-ăb-ım-ür	
2.	am-ăb-ıt-ıs		am-ăb-ımın-ı	
3.	am-ăb-unt		am-ăb-unt-ür	
Imperfect.				
Sing. 1.	ăm-ăb-ăm	ăm-ăr-ēm	ăm-ăb-ăr	ăm-ăr-ēr
2.	am-ăb-ās	am-ăr-ēs	am-ab-ăr-ıs	am-ar-ēr-ıs
3.	am-ăb-ăt	am-ăr-ēt	am-ab-ăt-ür	am-ar-ēt-ür
Plur. 1.	am-ăb-ăm-ūs	am-ar-ēm-ūs	am-ab-ăm-ür	am-ar-ēm-ür
2.	am-ăb-ăt-ıs	am-ar-ēt-ıs	am-ab-ămın-ı	am-ar-ēmın-ı
3.	am-ab-ant	am-ar-ent	am-ab-ant-ur	am-ar-ent-ür

Imperative Mood.			
		Active.	Passive.
Present.	Sing. 2.	<i>ăm-ă</i>	<i>am-ăr-ě</i>
	Plur. 2.	<i>ăm-ăt-ě</i>	<i>am-ămîn-ī</i>
Future.	Sing. 2 }	<i>ăm-ăt-o</i>	<i>am-ăt-ör</i>
	3 }		
	Plur. 2.	<i>am-ăt-öt-ě</i>	(none)
	3.	<i>am-ant-o</i>	<i>am-ant-ör</i>

Verbal Noun-Forms.			
		Active.	Passive.
Infinitive Present.		<i>ăm-ăr-ě</i>	<i>ăm-ăr-ī</i>
Participle Present Nom.		<i>ăm-ans</i>	
		&c.	
Gerund.	Nom. }	<i>am-and-um</i>	<i>ăm-and-ūs</i>
	Acc. }		
		&c.	&c.
		Gerundive }	
		nom. masc. }	
		sing.	

PRESENT STEM. *Other Vowel Conjugations.* ACTIVE VOICE. 716
Indicative Mood.

Present.

Sing. 1.	trib-u-o	căp-i-o	aud-i-o	mön-e-o
2.	trib-u-îs	cap-îs	aud-îs	mon-ês
3.	trib-u-ît	cap-ît	aud-ît	mon-êt
Plur. 1.	trib-u-îm-ûs	cap-îm-us	aud-îm-ûs	mon-êm-ûs
2.	trib-u-ît-îs	cap-ît-îs	aud-ît-îs	mon-êt-îs
3.	trib-u-unt	cap-i-unt	aud-i-unt	mon-ent

Future.

Sing. 1.	trib-u-am	căp-i-am	aud-i-am	mon-êb-o
2.	trib-u-ês	cap-i-ês	aud-i-ês	mon-êb-îs
	&c.	&c.	&c.	&c.

Imperfect.

Sing. 1.	trib-u-êb-am	căp-i-êb-am	aud-i-êb-am	mon-êb-am
2.	trib-u-êb-ăs	cap-i-êb-ăs	aud-i-êb-as	mon-êb-ăs
	&c.	&c.	&c.	&c.

Subjunctive Mood.

Present.

Sing. 1.	trib-u-am	căp-i-am	aud-i-am	mön-e-am
2.	trib-u-ăs	cap-i-ăs	aud-i-ăs	mon-e-ăs
	&c.	&c.	&c.	&c.

Imperfect.

Sing. 1.	trib-u-êr-em	căp-êr-em	aud-îr-em	mön-êr-em
2.	trib-u-êr-ês	cap-êr-ês	aud-îr-ês	mon-êr-ês
	&c.	&c.	&c.	&c.

Imperative Mood.

Present.

Sing. 2.	trib-u-ê	căp-ê	aud-î	mön-ê
Plur. 2.	trib-u-ît-ê	cap-ît-ê	aud-ît-ê	mon-êt-e

Future.

Sing. 2.	trib-u-ît-o	cap-ît-o	aud-ît-o	mon-êt-o
3.				
Plur. 2.	trib-u-ît-ôt-e	cap-ît-ôt-ê	aud-ît-ôt-e	mon-êt-ôt-ê
3.	trib-u-unt-o	cap-i-unt-o	aud-i-unt-o	mon-ent-o

Verbal Noun-Forms.

Inf. Pr.	trib-u-êr-e	căp-êr-e	aud-îr-e	mön-êr-e
Part. Pr.	trib-u-ens	căp-i-ens	aud-i-ens	mön-ens
	&c.	&c.	&c.	&c.
Gerund.	trib-u-end-um	căp-i-end-um	aud-i-end-um	mön-end-um
	&c.	&c.	&c.	&c.

PRESENT STEM. Other Vowel Conjugations. PASSIVE VOICE.

Indicative Mood.

Present.

Sing. 1.	trib-u-ör	căp-i-ör	aud-i-ör	mön-e-ör
2.	trib-u-ër-ıs	cap-ër-ıs	aud-ır-ıs	mon-ër-ıs
3.	trib-u-ıt-ür	cap-ıt-ür	aud-ıt-ür	mon-ët-ür
Plur. 1.	trib-u-ım-ür	cap-ım-ür	aud-ım-ür	mon-ëm-ür
2.	trib-u-ımın-ı	cap-ımın-ı	aud-ımın-ı	mon-ëmın-ı
3.	trib-u-unt-ür	cap-i-unt-ür	aud-i-unt-ür	mon-ent-ür

Future.

Sing. 1.	trib-u-är	cap-i-är	aud-i-är	mon-ëb-ör
2.	trib-u-ër-ıs	cap-i-ër-ıs	aud-i-ër-ıs	mon-ëb-ër-ıs
	&c.	&c.	&c.	&c.

Imperfect.

Sing. 1.	trib-u-ëb-är	căp-i-ëb-är	aud-i-ëb-är	mon-ëb-är
2.	trib-u-ëb-är-ıs	cap-i-ëb-ar-ıs	aud-i-ëb-är-ıs	mon-ëb-är-ıs
	&c.	&c.	&c.	&c.

Subjunctive Mood.

Present.

Sing. 1.	trib-u-är	căp-i-är	aud-i-är	mön-e-är
2.	trib-u-är-ıs	cap-i-är-ıs	aud-i-är-ıs	mon-e-är-ıs
	&c.	&c.	&c.	&c.

Imperfect.

Sing. 1.	trib-u-ër-ër	căp-ër-ër	aud-ır-ër	mon-ër-ër
2.	trib-u-ër-ër-ıs	cap-ër-ër-ıs	aud-ır-ër-ıs	mon-ër-ër-ıs
	&c.	&c.	&c.	&c.

Imperative Mood.

Present.

Sing. 2.	trib-u-ër-ë	căp-ër-ë	aud-ır-ë	mön-ër-ë
Plur. 2.	trib-u-ımın-ı	cap-ımın-ı	aud-ımın-ı	mon-ëmın-ı

Future.

Sing. 2.	trib-u-ıt-ör	cap-ıt-ör	aud-ıt-ör	mon-ët-ör
3.	trib-u-unt-ör	cap-i-unt-ör	aud-i-unt-ör	mon-ent-ör

Verbal Noun-Forms.

Inf. Pres.	trib-u-ı	căp-ı	aud-ır-ı	mön-ër-ı
Gerundive.	trib-u-end-üs	căp-i-end-üs	aud-i-end-üs	mön-end-üs
	&c.	&c.	&c.	&c.

PERFECT STEM.

ACTIVE VOICE.

Present stem.	Verb stem.	PERFECT STEM.
------------------	---------------	------------------

I. *Reduplication.*

- | | | |
|------------|--------------|----------|
| 1. tang- | täg- | të-tlg- |
| 2. pend- | (or pend-ë-) | pë-pend- |
| 3. mord-ë- | mord- | mö-mord- |

II. *Lengthening of stem-vowel.*

- | | | |
|-----------|------|------|
| 4. äg- | | ög- |
| 5. jüv-ä- | jüv- | jüv- |
| 6. vīd-ë- | vīd- | vīd- |
| 7. cāp-ī- | cāp- | cēp- |

III. *Addition of -s-.*

- | | | |
|-------------|-------|----------|
| 8. carp- | | carp-s- |
| 9. cōm- | | com-p-s- |
| 10. rēg- | | re-x- |
| 11. mulg-ë- | mulg- | mul-s- |
| 12. læd- | | læ-s- |
| 13. quāt-ī- | | quas-s- |
| 14. haur-ī- | haus- | hau-s- |

IV. (a) *Addition of -u-.*

- | | | |
|------------|------|--------|
| 15. dōm-ä- | dōm- | dom-u- |
| 16. mōn-ë- | mōn- | mōn-u- |
| 17. tex- | | tex-u- |

(b) *Addition of -v-.*

- | | | |
|-------------|------|---------|
| 18. äm-ä- | | ämā-v- |
| 19. flē- | | flē-v- |
| 20. sue-sc- | suē- | suē-v- |
| 21. aud-ī | | audī-v- |
| 22. pēt- | | pētī-v- |
| 23. sīn- | sī- | sī-v- |

V. *Without change of stem.*

- | | | |
|------------|------|--------|
| 24. tribu- | | tribu- |
| 25. solv- | | solv- |
| 26. vert- | | vert- |
| 27. fīd- | fīd- | fīd- |

Suffixes of tense, mood, person,
appended to PERFECT STEM.

Indicative. Subjunctive.

Comp.

Perfect.	Fut.	Perfect.	
-ī	-ēr-o	-ēr-īm	1 Sing.
-is-tī		-ēr-īs .	2
-īt		-ēr-īt	3
-īm-us		-ēr-īm-us	1 Plur.
-is-tīs		-ēr-īt-is	2
-ēr-unt		-ēr-int	3

Pluperfect.

<i>Indicative.</i>	<i>Subjunctive.</i>	
-ēr-am	-is-sem	1 Sing.
-ēr-ās	-is-sēs	2
-ēr-āt	-is-sēt	3
-ēr-ām-ūs	-is-sēm-ūs	1 Plur.
-ēr-āt-is	-is-sēt-is	2
-ēr-ant	-is-sent	3

Infinitive Perfect.

-is-se

SUPINE STEM.

718

	Present stem.	Verb stem.	SUPINE STEM.
1.	tang-	täg-	tac-t-
2.	pend-	(or pend-ě-)	pen-s-
3.	mord-ě-	mord-	mor-s-
4.	äg-		ac-t-
5.	jüv-ä-	jüv-	jü-t-
6.	vid-ě-	vid-	vī-s-
7.	căp-ī-	căp-	cap-t-
8.	carp-		carp-t-
9.	côm-		com-p-t-
10.	ręg-		rec-t-
11.	mulg-ě-	mulg-	mul-s-
12.	læd-		læ-s-
13.	quăt-ī-	quăt-	quas-s-
14.	haur-ī-	haus-	hau-s-
15.	dôm-ä-	dôm-	dom-īt-
16.	môn-ě-	môn-	môn-īt-
17.	tex-		tex-t-
18.	ăm-ä-		ămā-t-
19.	flē-		flē-t-
20.	sue-sc-	suē-(?)	suē-t-
21.	aud-ī-		audī-t-
22.	pēt-		pētī-t-
23.	sīn-	sī-	sī-t-
24.	tribu-		tribū-t-
25.	solv-		sölū-t-
26.	vert-		ver-s-
27.	find-	fīd-	fīs-s-

Noun suffixes appended to SUPINE STEM.

ACTIVE VOICE.

Future participle.

-ūr-ūs(m.), -ūr-ā(f.), -ūr-um(n.). sing. nom.
&c. &c. &c.

Future infinitive.

-ūrūs (-ā, -um) } esse
fulsse

SUPINES.

-um, i.e. accusative case of verbal noun with u- stem.

-ū, i.e. ablative, or sometimes dative, case of same.

PASSIVE VOICE.

Past participle.

-ūs (m.), -ā (f.), -um (n.). sing. nom.
&c. &c. &c.

With this participle in the proper gender and number are used certain tenses of the verb sum, *I am*, in order to form the perfect tenses of the passive verb, viz.

Indicative. Subjunctive.

Comp.

Perf.

Fut.

Perf.

-ūs (-ā, -um)	sum	ēro	sīm	1 Sing.
	ēs	ēris	sīs	2
	est	erit	sit	3
-ī (-æ, -ā)	sūmus	erimus	sīmus	1 Plur.
	estis	eritis	sitis	2
	sunt	erunt	sint	3

Pluperfect.

Indic.

Subjunc.

-ūs (-ā, -um)	eram	essem	1 Sing.
	erās	esses	2
	erāt	esset	3
-ī (-æ, -ā)	erāmus	essēmus	1 Plur.
	erātis	essētis	2
	erant	essent	3

Perf. pass. infinitive.

-ūs (-ā, -um) esse

CHAPTER XXVII.

INFLEXIONS OF THE VERB *sum*, *I am*, AND COMPOUNDS.

THE tenses, &c. of the verb of *being* are partly from the root ⁷¹⁹ *es*, whence *es-um*, Gr. *εἶμι* (for *ἐσμι*), and partly from the root *fu* (whence *no*), Gr. *φύω*.

N.B. The parts of tenses not here given are quite regular.

		<i>Subjunctive.</i>		
		<i>Indicative.</i>	usual form.	old forms.
Present Sing.	1.	<i>s-um, I am</i>	<i>s-im</i>	<i>s-i-em fu-am</i>
	2.	<i>ēs, Thou art</i>	<i>s-is</i>	<i>s-i-ēs fu-ās</i>
	3.	<i>es-t, He is</i>	<i>s-it</i>	<i>s-i-ēt fu-āt</i>
	Plur. 1.	<i>s-um-us, We are</i>	<i>s-im-tis</i>	
	2.	<i>es-t-is, Ye are</i>	<i>s-it-is</i>	
	3.	<i>s-unt, They are</i>	<i>s-int</i>	<i>s-i-ent fu-ant</i>
Future Sing.	1.	<i>ēr-o, I shall be</i>		
	2.	<i>er-is, Thou wilt be</i>		
	3.	<i>er-unt</i>		
			usual forms.	
Imperf. Sing.	1.	<i>er-am, I was</i>	<i>es-sem</i>	<i>f-ōr-em</i>
Perfect Sing.	1.	<i>fu-I, I was or have been</i>	<i>fu-ēr-im</i>	
	2.	<i>fu-is-ti</i>	<i>fu-er-is</i>	
	3.	<i>fu-īt</i>	<i>fu-ēr-it</i>	
	Plur. 1.	<i>fu-im-us</i>	<i>fu-er-im-us</i>	
	2.	<i>fu-is-ti-s</i>	<i>fu-er-īt-is</i>	
	3.	<i>fu-ēr-unt</i>	<i>fu-er-int</i>	
Comp. Fut.				
Sing. 1.		<i>fu-ēr-o, I shall have been</i>		
Plur. 3.		<i>fu-er-int</i>		
Pluperf. Sing.	1.	<i>fu-er-am, I had been</i>	<i>fu-is-sem</i>	

Imperative.

Present Sing.	2.	<i>ēs, be</i>	Future Sing. 2 and 3.	<i>es-t-o</i>
	Plur. 2.	<i>es-t-ē</i>		Plur. 2. <i>es-t-ēt-ē</i>
				3. <i>s-unt-o</i>

Infinitive.

Present.	<i>es-sē.</i>	Past.	<i>fu-is-sē.</i>	Future.	<i>fō-rē</i> or <i>futurus essē,</i> or <i>fuissē.</i>
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Participle.

Present.	<i>(s-ens or ens)</i> only in compounds.	Future.	<i>fūt-ūr-ūs, -ā, -um.</i>
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Es in pres. ind. is always long in Plaut., Terence.

720

When **est** came after a vowel or **m**, the **e** was omitted both in speaking and writing (**nata st**, **natum st**, **oratio st**). So e.g. in Cicero, and (according to L. Müller) always both in scenic and dactylic verse. The same was not unfrequently the case with **es** after a vowel, and perhaps after **m** also; e.g. **nacta's**, **lignum's**. In the comic writers a short final syllable in **s** also coalesces with **est**; e.g. **factust**, **opust**, **similist**, for **factus est**, **opus est**, **similis est**; occasionally with **es**; e.g. **nactu's**, **simili's**, for **nactus es**, **similis es**. (Ritschl.)

An old form for the fut. indic. was **escit**, **escunt**; (apparently an inchoative form). It is found once in Lucretius.

The form for the pres. subj. **stem**, &c. (§ 590) is frequent in Plautus, Terence, and early inscriptions; Cicero speaks of it as used in his time (*Orat.* 47, § 157). **Fuam**, &c. is also frequent in Plautus and other scenic poets, except Terence, who like Vergil uses it once only. The compounds occasionally have **-sies**, **-siet**, **-sient**.

The perf. and tenses formed from it are in Plautus occasionally **fūvit**, **fūverit**, &c. So also Ennius has **fūisset** (ap. Gell. 12, 4. 3).

Like **sum** are inflected its compounds, viz. **absum** (perf. **abfui** or **afui**), **adsum** or **assum** (perf. **adfui** or **affui**), **desum** (**de-est**, **de-eram**, &c. pronounced **dēst**, **dēram**, &c.), **insum**, **intersum**, **obsum**, **præsum** (3rd pers. sing. **præst**), **prōsum** (**prōd-** before a vowel; e.g. **prod-es**, **prod-ero**), **subsum**, **supersum**. Of these **adsum** and **præsum** alone have a present participle **absens**, **præsens**.

Possūm, *I can*, compounded of **pōte sum**, usually retains the **t** before a vowel (e.g. **pōt-es**, **pōt-est**, **pōtestis**, **pot-ero**, **pōteram**), but assimilates it before **s** (e.g. **possūmus**, **possunt**, &c.). The imperf. subj. is **pos-sem**, inf. **posse** (in Plaut. **potessem**, **potesse**), perf. ind. **potui** (probably for **potivi**, the perfect of an active form of **potior**: comp. **posivi**, **posui**). It has no participle, **potens** being used merely as an adjective, *powerful*. **Possiem**, **possies**, &c. later **possim**, **possis**, &c. are frequent in Plautus and Terence.

The full forms, **potis sum**, **es**, **est**, **eram**, **ero**, **sim**, &c. are found in præ-Augustan poets; especially **potis est** in Terence, Lucretius, and once in Vergil; **pote fuisset** once in Ter. **Potis** and **pote** are also used as direct predicates without the verb.

Potestur, **possitur**, **poteratur**, are quoted as used occasionally with passive infinitive in early writers (Pacuvius, Cæl. Ant. &c.). **Potestur** also in Lucr. 9. 1010.

CHAPTER XXVIII.

INFLEXIONS OF SOME IRREGULAR VERBS.

<i>Indicative Mood.</i>	<i>Do, give.</i>	<i>Volo, be willing.</i>	<i>Nōlo (Ne-volo), be unwilling.</i>	<i>Mālo</i> 726
				<i>(Ma-volo for mag-volo), prefer.</i>
<i>Present Tense.</i>				
Sing. 1. <i>do</i>		<i>vōlo</i>	<i>nōlo</i>	<i>mālo</i>
2. <i>dās</i>		<i>vīs</i>	<i>non vīs</i>	<i>māvīs</i>
3. <i>dāt</i>		<i>vult</i>	<i>non vult</i>	<i>māvult</i>
Plur. 1. <i>dāmus</i>		<i>vōlūmus</i>	<i>nōlūmus</i>	<i>mālūmus</i>
2. <i>dātis</i>		<i>vultis</i>	<i>non vultis</i>	<i>māvultis</i>
3. <i>dant</i>		<i>vōlunt</i>	<i>nōlunt</i>	<i>mālunt</i>
<i>Future Sing.</i>				
1. <i>dābo</i>		<i>vōlam</i>	<i>(not used)</i>	<i>(not used)</i>
2. <i>dābis</i>		<i>vōles</i>	<i>nōles</i>	<i>māles</i>
<i>Imperf. Sing.</i>				
1. <i>dābam</i>		<i>vōlēbam</i>	<i>nōlēbam</i>	<i>mālēbam</i>
<i>Perf. Sing.</i>				
1. <i>dēdi</i>		<i>vōlui</i>	<i>nōlui</i>	<i>mālui</i>
<i>Subjunctive Mood.</i>				
<i>Pres. Sing.</i>				
1. <i>dem</i>		<i>vēlim</i>	<i>nōlim</i>	<i>mālim</i>
Plur. 1. <i>dēmus</i>		<i>vēlīmus</i>	<i>nōlīmus</i>	<i>mālīmus</i>
<i>Imperf. Sing.</i>				
1. <i>dārem</i>		<i>vellem</i>	<i>nollem</i>	<i>mallem</i>
<i>Imperative.</i>				
<i>Pres. Sing.</i>				
2. <i>dā</i>			<i>nōli</i>	
Plur. 2. <i>dāte</i>			<i>nōlite</i>	
<i>Future Sing.</i>				
2. <i>dāto</i>			<i>nōlito</i>	
Plur. 2. <i>dātōte</i>			<i>nōlītōte</i>	
3. <i>danto</i>			<i>nōlunto</i>	
<i>Infinitive.</i>				
<i>Present.</i>	<i>dāre</i>	<i>velle</i>	<i>nolle</i>	<i>mallo</i>
<i>Future.</i>	<i>dātūrum esse</i>			
<i>Participle.</i>				
<i>Present.</i>	<i>dans</i>	<i>vōlens</i>	<i>nōlens</i>	<i>(not used)</i>
<i>Gerund.</i>	<i>dandum</i>	<i>volendum</i>		
<i>Gerundive.</i>	<i>dandus</i>			
<i>Perfect.</i>	<i>dātus</i>			

Of these verbs *do* alone has a passive voice. The forms *der* and *demur* are not actually found anywhere.

For the subjunctive forms *duim*, &c. see § 589.

In præ-Augustan language the 3rd pers. sing. and 2nd pers. plural was *vult*, *vultis*. In conversational language *si vīs*, *si vultis* became *sīs*, *sultis*.

For *non vīs*, *non vult* Plautus has frequently *nēvīs*, *nēvult*; on the other hand, for *nollis*, *nolūt*, *nolūt*, *nollem* he has sometimes the full forms *non vellis*, &c. (In Martial IX. 7 *nonvīs* occurs.)

Also in Plautus frequently *māvōlo* (once also in Terence), *māvōlet*, *mavēlim*, *mavelis*, *mavelit*, *mavellem*.

Eo (stem i-), go.	Flo (used as pas- sive of facio), become.	Edo, eat.	Pero, bear.	Feror, be borne.	729
ēo	flo	ēdo	fēro	fērōr	
is	fīs	ēdīs or ēs	fēr̄s	fēr̄is	
it	fīt	ēdīt or est	fert	fertūr	
imus		ēdīmus	fērīmus	fērīmūr	
itis		ēdītis or estis	fertis	fērīmīni	
unt	fiunt	ēdunt	fērunt	fēruntūr	
ibo	fiam	ēdam	fēram	fērār	
ibis	fīēs	ēdēs	fērēs	fērēris	
ibam	fīēbam	ēdēbam	fērēbam	fērēbar	
ivi	factus sum	ēdi	tūli	lātus sum	
am	fiam	ēdam or ēdim	fēram	fērār	
āmus	fīāmus	ēdāmus or ēdīmus	fērāmus	fērāmur	
irem	fīerem	ēdērem or essem	ferrem	ferrer	
i	fi	ēde or ēs	fēr	ferre	
ite	fīte	ēdīte or este	ferte	fērīmīni	
ito		ēdīto or esto	ferto	fertor	
itōte		ēdītōte or estōte	fertōte		
untō		ēdunto	fērunto	fēruntor	
ire	fīeri	ēdēre or esse	ferre	ferri	
itūrus esse	factum iri	ēsūrus esse	lātūrus esse	lātum iri	
iens		ēdens	fērens		
G. ūntis					
undum -di -do	fāciendus	ēsūrus	lātūrus		
-eundus (in comp.)	factus	ēdendus	fērendus		
				lātus	

Ambio is the only compound of *eo*, which is inflected regularly like 730 a verb of the fourth conjug.

Futurus sim, *fore*, *futurus esse*, frequently supply the place of parts of *fio*. 731

Fierem, *fieri*, in Plautus and Terence often have the stem *i* long.

Of the compounds with prepositions the following forms occur: *con-*
fit, *conferet*, *conferent*, *conferi*; *desit*, *desunt* (Gell.), *desiet*, *desiat*, *desieri*;
ecferi; *insit*, *interfiat*, *interferi*; *superfit*, *superfiat*, *superferi*.

In the passive we find **estur** for **editur** (3 pres. ind.), and **essetur** (once in Varr.) for **edderetur** (3 pers. imperf. subj.). The contracted forms are also found from **comedo**, and some (**exest**, **exesse**, **exesset**) from **exedo**.

Quō, **nēquō**, are declined like **eo**, but have no imperative, participle, or gerund. (**Nequeuntis** is quoted once from Sallust.) Only the present indic. and subj. are at all frequent.

Quis and **quit** (pres. act.) are only used after **non**, as **non quis** (for **nequis**), **nonquit** (for **nequit**). With the passive infinitive there are a few instances in early writers of passive forms, **quitus sum**, **quitur**, **queatur**; **nequita est**, **nequitur**. **Queatur** also in **Lucr.** I. 1045. Cf. § 725.

CHAPTER XXIX.

LIST OF DEPONENT VERBS.

THE following verbs are used as deponents. Sometimes they, especially the past participle, are used in a passive as well as an active sense. Instances of this are here mentioned. Sometimes the deponent use is exceptional, and the active form with corresponding passive usual. Such deponents have here the name of the authors, who use them, simply appended. A few rare words are omitted. Compounds also are usually omitted.

Adjūtari (Pac., Afran.; **adjūtare** Plaut., Ter.); **ādūlari** (**adulāre** Lucr., Cic. poet.); **āmūlari**; **altercāri** (**altercāre** Ter.); **alucināri**; **ampullāri**; **ancillāri** (old); **āpisci** (*pass.* once, Plaut.; so **ādeptus** Sall., Ovid, &c.; **indipiscere** Plaut.); **āpricāri**; **āquāri**; **arbitrāri** (*pass.*, Plaut., Cic. once; **arbitrāre** Plaut.); **architectāri**; **argūmentāri**; **argūtāri**; **aspernāri**; **assentīri** (also *pass.*, and **assentire** frequent in Cic., also Ov., Tac.); **assentāri**; **auctiōnāri**; **aucūpāri** (**aucupāre** scenic poets); **augūrāri** (**augūrāre**, Plaut. &c., Verg.; **auguratus** *pass.*, Cic., Liv.); **auspicāri** (**auspicāre** early writers; **auspicātus** *pass.*, Ter., Cic., Liv.); **auxiliāri**; **bacchāri**; **baubāri**; **bellāri** (Verg.); **blandīri** (**eblandītus** *pass.* Cic.); **cālumniāri**; **calvi**; **cāvilāri**; **causāri**; **circulāri**; **cōmissāri**; **cōmitāri** (*passive* Lucr., Ov., Plin.; *pass. part.* frequently Cic., Liv. &c.; **comitāre** Ov.); **commentāri** (*pass. part.* Cic.); **commīnisci** (*pass. part.* Ovid); **commūnicāri** (Liv.); **compēriri** (Ter., Sall.); **expēriri** (*pass. part.* Cic., Liv. frequently, Tac.); **contīōnāri**; **conflictāri** (rarely as *pass.*; **conflictāre** Ter.); **cōnāri**; **consiliāri**; **conspicāri** (*pass.* Sall.); **contechnāri**; **contemplari** (**contemplare** Plaut. often); **conviciāri**; **convivāri**; **crimīnāri** (*pass.* Cic.; **criminare** Plaut.); **cunctāri** (*pass. part. impers.*

Tac.); *despicāri* (*pass. part.* Plaut., Ter.); *digladīārī*; *dignārī* (*dignare* Att., Cic. poet.; *pass. part.* Cic., Verg.); *dōmīnārī*; *elucubrārī* (rare); *ēpūlārī*; *exēcrārī* (*pass. part.* Cic.); *expergiſci*; *fābrīcārī* (Plaut., Corn., Cic., Tac.; *pass.* Quintil.; *part. pass.* Ov., Liv., Suet., Tac.; *fabricare* Hor., Ov., Sen. &c.); *fābūlārī*; *fāmūlārī*; *fātērī* (*pass.* Cic.); *confītērī* (*part. pass.* Cic., Sen., Quint., &c.); *prōfītērī* (*part. pass.* Ov., Sen.); *fātiscī* (Lucr.); *fēnērārī* (*part. pass.* Plaut., Ter., Scævol.; *fenerare* Ter., Sen., Plin., &c.); *fērīārī*; *fluctuārī* (Liv., Sen.; *fluctuare* Plaut., Corn., Cic., Verg.); *fārī* (*effatus pass.* Cic., Liv.); *frūmentārī*; *fruniscī* (old); *frui*; *frustrārī* (*pass.* Sall., *pass. part.* Vell.; *frustrare* once Plaut.); *frūtīcārī* (Cic.; *fruticare* Col., Plin.); *fungī* (*perfunctum pass.* Cic.); *fūrārī*; *gestīcūlārī*; *glōrīārī*; *grādī*; *græcārī*; *grassārī*; *grātīficārī*; *grātārī*; *grātūlārī*; *grāvārī*; *hārīōlārī*; *hēluārī*; *hortārī*¹; *hospitārī*; *jācūlārī*; *imāginārī*; *imītārī* (*pass. part.* Cic. poet., Ov., Quint.); *infītīārī*; *injūriārī*; *insīdīārī*; *interpretārī* (*pass. part.* Cic., Liv., &c.); *jōcārī*; *irascī*; *jurgārī* (?Hor., *jurgare* Ter., Cic.); *jūvērārī*; *lābī*; *lætārī*; *lamentārī*; *largīrī*; *latrōcīnārī*; *lēnōcīnārī*; *libīdīnārī*; *licērī*; *licītārī*; *lignārī*; *lōqvi*; *lūcrārī*; *luctārī* (*luctare* Enn., Plaut., Ter.); *lūdīficārī* (*ludificare* and *pass.* Plaut. often); *lūxūrīārī* (usually *luxuriare*); *māchīnārī* (*part. pass.* Sall.); *mandūcārī* (old); *mātērīārī*; *mōdērī*; *mōdicārī* (*medicare* more common); *mōdītārī* (*pass. part.* Plaut., Cic., Liv., Tac.); *mēdicārī* (Plaut.; oftener *mendicare*); *mentīrī* (*pass. part.* Ov., Quint., Plin.; *ementitus pass.* Cic.); *mercārī* (*pass. part.* Prop., Plin.); *mērērī*, *to deserve* (frequent; rarely *to earn*; *mērēre* just the reverse: of the compounds *emerere*, *commerere* are more frequent than the deponent forms); *mētārī* (*part. pass.* Hor., Liv.); *mētīrī* (*part. pass.* Cat., Cic.); *mīnītārī* (*minitare* Plaut. rarely); *mīnārī* (*interminatus pass.* Hor.); *mīrārī*; *mīsērārī*; *mīsērērī* (*miserere* Lucr.; cf. ch. xxx.); *mōdērārī* (*pass. part.* Cic., Sall.); *mōdūlārī* (*pass. part.* Ov., Suet., &c.); *mōchārī*; *mōlīrī*; *mōrī*; *mōrārī* (*morare* Plaut. rarely); *mōrīgērārī*; *mūnērārī* (also *munerare*); *murmūrārī* (rare; *commurmurari* Cic.); *mūtuārī* (*pass. part.* Plin.); *nanciscī* (*fut.*, *nanciam* Gracchus); *nascī*; *naucūlārī* (Mart. once); *nēgōtīārī*; *nictārī* (Plin., *nictare* Plaut.); *nīdūlārī* (Plin. once); *nīti* (*enisum est impers.* Sall.); *nixārī* (Lucr.); *nūgārī*; *nundīnārī*; *nūtrīcārī* (also *nutricare*); *nūtrīrī* (Verg. once; usually *nutrire*); *oblīviscī* (*pass. part.* Verg., Prop.); *obsīdīārī*; *ōdōrārī*; *ōmīnārī* (*abominatus pass.* Hor., Liv.); *ōpērārī*; *ōpīnārī* (*opinare* Enn., Pacuv.; *pass. part.* Cic.); *ōpītūlārī*; *oppērīrī*; *opsōnārī* (Plaut., *opsonare* usually); *ordīrī* (*exorsus pass.* Plaut., Cic., Verg.); *ōrīrī*; *oscītārī* (also *oscitare*); *oscūlārī*; *ōtīārī*; *pābūlārī*; *pāciscī* (*pass. part.* Cic., Liv.); *pālārī*; *palpārī* (Plaut., Hor., also *palpare*); *pandīcūlārī*; *pārāsītārī*; *partīrī* (par-

¹ In form frequentative: the simple verb in the 3rd pers. (*hōrītur*) is quoted from Ennius.

tire Plaut., Lucr., Sall., *pass. part.* Cic., Liv., Verg., &c.; -**disper-**
 tire, **impertire** usually); **pasci**, of animals (sometimes **pascere**;
 frequently **pascens**; **depasci** *pass.* Cic. once); **pāti**; **pātrōcīnāri**;
pēcūlāri; **percontāri**; **pērēgrīnāri**; **pēriclītāri** (*pass. part.* Cic.
 once); **phīlōsophāri** (**philosophatum** *pass. impers.* Plaut. once);
pignērāri, *take in pledge*; **pīgrāri** (**pigraris** 2 *fut. perf.* Lucr.);
piscāri; -**plecti** (**amplectere**, **complectere** rare; *pass. part.* rare);
pollicēri (*pass. part.* Ov.); **pollicītāri**; **pōpūlāri** (**populare** Verg.,
pass. Liv., *pass. part.* often); **pōtīri** (**potire**, *to put in possession*,
 Plaut. once); **prædāri**; **præmiāri** (rare); **præsāgīri** (once Plaut.;
præsagire is usual); **præstōlāri**; **prævāricāri**; **prēcāri**; **prēcāri**
 (rare); **proeliāri**; **prōficisci**; **procemiāri**; **pūnīri** (Cic.; usually **pu-**
 nire); **quadrūplāri**; **quēri**; **rādīcāri**; **rātīōcīnāri**; **rēcordāri**; **rēfrā-**
gāri; **rēlīquāri**; **rēri**; **rīmāri**; **ringi**; **rixāri**; **ructāri** (Varr., Hor.;
 usually **ructare**); **rustīcāri**; **sācrīficāri** (Varr.; **sacrificare** usually);
sciscītāri; **scītāri**; **scortāri**; **scrūtāri** (*part. pass.* Sen.; **perscrutare**
 Plaut.); **scurrāri**; **sectāri** (rarely *pass.*; **insectare** Plaut.); **sēqui**
 (*pass.* Com. once; **obsēcūtum** *pass. impers.* Plaut.); **sermōcīnāri**;
sōlāri; **sortīri** (**sortire** Enn., Plaut., *pass. part.* Cic., Prop.); **spā-**
tiāri; **spēcūlāri**; **stābūlāri** (**stabulare** Verg., Stat.); **stīpūlāri**;
stōmāchāri; **svāviāri** (or **saviari**); **subsidiāri**; **suffrāgāri** (**suffragare**
 old); **suppētīari**; **suspīcāri** (*pass.* once Plaut.); **testīficāri** (*part.*
pass. Cic., Ov.); **testāri** (**testatus**, and compounds often passive,
 Cic., Ov., Quint.); **trīcāri** (once **extrīcari** Plaut.; usually **extricare**,
intricare); **trīstāri**; **trūtīnāri**; **tuburcīnāri**; **tuēri** (*pass.* Varr.; **tu-**
tus *pass.* almost always; **tuere** rare and old); **tūtāri** (*pass.*; Plaut.,
 Cic. rarely); **tūmultuāri** (*pass. impers.* Ter., Cæs., Liv.; **tumul-**
tuare Plaut.); **ulcisci** (*pass.* Sall. once; *pass. part.* Liv.); **ūrīnāri**;
ūtī (the active **utere** in Cat. &c.); **vādāri** (*part. pass.* Plaut. once);
vāgāri (**vagare** old); **vātīcīnāri**; **vālīficāri** (**velīficare** Prop., Plin.
 once; *part. pass.* Juv.); **vālītāri** (Plaut.); **vēnāri**; **vēnērāri** (**vene-**
rare Plaut.; *part. pass.* Verg., Hor.); **vērēcundari**; **vērēri**; **vergī**
 (Lucr., Lucan); **vermicūlāri**; **vermīnāri** (also **verminare**); **versāri**;
vesci; **vilīcāri** old (**vilicare** Cic. once); **vītūlāri**.

The following are used as past participles in the same sense as 735 the active inflexions.

adultus; **cēnātus**; **coāllītus** (Tac.); **concrētus**; **conspirātus** (Cæs.,
 Suet.); **conflagrātus** (Corn.); **deflagrātus** (Cic.); **eventum** (subst.);
fluxus; **invētērātus**; **jūrātus** (**conjuratus**); **nupta**; **occāsus** (**post,**
ante, ad, occasum solem Plaut.); **ōsus** (Sen., **exōsus**, **perōsus** often
 generally); **plācītus**; **pōtus** (also *pass.*); **præterītus** (of time and
 the like); **pransus** (Cic., Liv., Hor.); **qviētus** (**requietus** Liv., Sen.,
 &c.); **svētus** (and comp.); **tācītus**.

CHAPTER XXX.

LIST OF VERBS, WITH THEIR PERFECTS, SUPINES. &c.

The following list contains all verbs of the Latin language, with 736 certain exceptions, which exceptions are—

1. All verbs with *a-* or *i-* stems, which have their pres. infinitive in *-āre*, *-īre* (*-āri*, *-īri*), perf. in *-āvī*, *-īvī* (*-ātus*, *-ītus*, *sum*), and supine in *-ātum*, *-ītum*. (Lists of both, tolerably complete as regards *i-* stems, will be found in Book III.)

2. All verbs with *e-* stems, which have perfect in *-uī*, but no supine. (They are generally intransitive, and are named in Ch. XXII.)

3. Most inchoatives, which either have no perfect or supine, or one of the same form as the simple verb. (They are all named either in Ch. XX. or Book III.)

4. Verbs compounded with prepositions. But such are named as differ from the form of the simple verb in perfect or supine, or which agree with it in having a reduplication in the perfect.

5. A few verbs, with *e-* or *i-* stems, which have no perfect or supine, are given in an appended list at the end of the chapter.

The supine is not much used, but is here mentioned wherever it or a perfect participle is known, as this is similarly formed.

N.B. Where the English translation as given here, whether 737 with or without a preposition, allows of the immediate addition of an object, the verb is transitive (though it may perhaps also be intransitive), e.g. *arcesso*, *send for*; *lædo*, *hurt*, are transitive. Where it requires the addition of an English preposition, the verb is intransitive, e.g. *nōceo*, *be hurtful*.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
accerso. See arcesso.				
ācuo, <i>sharpen</i>	ācui	ācūtum	ācuere	ācū-
āgo, <i>do, drive</i>	ēgi	actum	āgere	āg-

738

ādigo, ādēgi, ādactum, adigere. So the other compounds,

Except: cōgo (cōēgi, cōactum, cōgere), dēgo, which has no perf. or supine, prōdigo which has perf. only, and

circumāgo, perāgo, which retain a in pres., &c.

sātāgo is really two words: perf. egi satia.

ajo, *say*

aj-

The following forms only are preserved, pres. ajo, āis, āit (*āis*, *ait* in Plaut.), ajunt.

Imp. ajēbam, &c. complete. In Plaut. and Ter. āibam. Pres. subj. ajas, ajat. The part. aiens is used only as adj.

algeo, <i>be cold</i>	alsi	algere	alg-ē-
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The participle in compar. neut. alsius occurs in Cicero¹.

ālo, <i>nourish, raise</i>	ālui	altum	ālere	āl-
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ālītum is found in post-Augustan writers.

āmicio, <i>clothe</i>	āmictum	āmīcere	āmīc-i-
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āmīcui and amixi are both said to have been used for perf. Fronto has inf. amicisse.

ango, <i>throttle, vex</i>		angere	ang-
āpiscor, <i>fasten to one-self, get</i>	aptum	āpisci	āp-i-

More usual in compound ādīpiscor, ādeptus sum, ādīpisci. See also cōpio.

arceo, <i>inclose, keep off</i>	arui	adj. artus	arcere	arc-ē-
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artus, only used as adj. *confined, narrow*:

exerceo, *exercise*, exercui, exercitum, exercere. So also coerceo.

arcesso, <i>fetch, send for</i>	arcessivi	arcessitum	arcessere	{ arcess- arcess-i-
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Another form is accerso. In pass. inf. arcessiri sometimes occurs.

ardeo, <i>be on fire</i>	arsi	ardere	ard-ē-
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Fut. part. arsūrus.

arguo, <i>charge (with crime &c.)</i>	argui	argūtum	arguere	argū-
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¹ A positive alsis (not alsus) would suit also alsia (Lucr. v. 1015).

argūtus, rare, except as adj. *sharp*. Fut. part. **arguiturus** (once in Sall.).

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
audeo , <i>dare</i>		ausum	audēre	aud-ē-
ausus sum is used for perf., <i>I have dared</i> . ausus also (rarely) passive part. (Verg. Tac.).				

āve, imperat. *bail* (in Quintilian's time *hāvē*) also **āveto**, plur. **āvete**: inf. **āvēre**. Martial has **āvē**.

āveo , <i>long</i>	no perf. or sup.		āvēre	āv-ē-
augeo , <i>increase</i> (trans.)	auxi	auctum	augēre	aug-ē-
<i>endow</i>				

bātuo , <i>beat, fence</i>	bātui		bātuēre	bātū-
(with a weapon)				

bībo , <i>drink</i>	bībi		bībēre	bīb-
cādo , <i>fall</i>	cēcīdi	cāsum	cādēre	cād-

occīdo, **occīdi**, **occāsum**, **occīdēre**. The other compounds, except **rēcīdo** and (rarely) **incīdo**, have no supine.

cædo , <i>fell, cut, slay</i>	cēcīdi	cæsum	cædēre	cæd-
occīdo , occīdi , occīsum , occīdēre . So all the compounds.				

cāleo , <i>be hot</i>	cālui	(cālītūrus)	cālēre	cāl-ē-
calvor , <i>play tricks</i> (also as passive)			calvi	calv-

Only in early writers for later **calumnior**.

-cando , <i>light</i> , only in compounds.				cand-
e. g. accendo , accendi , accensum , accendēre .				

cāno , <i>sing, play</i> (on a harp &c.).	cēcīni	(cantus subst.)	cānēre	cān-
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concīno, **concīnī**, **concentum**, **concīnēre**. So **occīno** (also once **occecīni**), **incīno** and **præcīno**. No perf. found of other compounds.

cāpresso , <i>undertake</i>	cāpressīvi	cāpressitum	cāpressēre	{ cāpress- capess-i-
cāpio , <i>take</i>	cēpi	captum	cāpēre	

concīpio, **concēpi**, **conceptum**, **concīpēre**. So the other compounds, except **antecapio**, **antecepi**, **anteceptum**, **antecāpēre**.

cāreo , <i>be in want</i>	cārui	(cārītūrus)	cārēre	cār-ē-
cāro , <i>card</i> (wool), very rare.			cārēre	cār-
carpo , <i>nibble, pluck</i>	carpsi	carptum	carpēre	carp-

decerpo, **decerpsi**, **decerptum**, **decerpēre**. So the other compounds.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
cāveo, <i>be ware, be ware of</i>	cāvi	cautum	cāvēre	cāv-ē-

cavitum is written twice in a seventh century (U.C.) inscription.

cēdo, <i>give away, yield up</i>	cessi	cessum	cēdere	cēd-
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cēdo, *give*, said to be old imperative 2nd per. sing. The plural cētte (for cēdite) only in early scenic poets.

-cello, *strike?* only in compounds: celsus adj. *high* cell-

percello (*strike down*), percūli, percussus, percellere.

excello (*distinguish myself*) has (in Gellius) a perf. excellui. Of antecello and præcello no perf. or sup. are found. excelsus, præcelsus, *lofty*, are used as adj.

censeo, <i>count, recom- mend</i>	censui	censum	censere	cens-ē-
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cerno, <i>sift, distin- guish, decide, see</i>	crēvi	{ crētum { certus, adj. <i>sure</i>	cernere	{ cēr- { crē-
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The meaning *see* is confined to pres., imp., and fut. tenses.

decerno, decrēvi, decrētum, decernere. So the other compounds.

cleo } <i>stir up</i> -cio }	civi	cītum	{ clēre {-cīre	{ cl-ē- { cl-
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The -i stem is rare in the simple verb: the -e stem rare in the compounds. accio makes (once) accītus; excio, excītus and excētus; concio, concītus, and (once) concētus; percio, percītus.

cingo, <i>gird</i>	cinxi	cinctum	cingere	cing-
clango (rare) <i>clang</i>			olangere	clang-
claudio, <i>shut</i>	clausi	clausum	claudere	claud-

conclūdo, conclūsi, conclūsum, conclūdere. So the other compounds.

clēpo (old), <i>steal</i>	clepsi	cleptum	clēpere	clēp-
clueo, <i>be spoken of</i>		-clūtum	cluere	clu-e-

In Seneca (once) cluo. -clutus only in compound inclutus.

cōlo, <i>till, pay atten- tion to</i>	cōlui	cultum	cōlere	cōl-
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So the compounds excōlo, excōlui, excultum, excōlere, but accōlo, incōlo have no supine.

occūlo, *bide*, occūlui, occultum, occūlere, is probably from a different stem.

cœpio, <i>begin</i>	cœpi	cœptum	cœpere	cœp-I-
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Pres. ind. and subj. only in Plaut. Fut. *coepiam* in Cato. Imperf. subj. *coepērem* once in Ter. Otherwise only perfect stem in use with present meaning as well as perfect. But *coeptus* and *coepturus* are also used. (*Coeptus sum* often with a pass. infin.; but also *coepi*.) The verb is apparently from *co-āpio* (*apiscor*).

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
compesco. See <i>pasco</i> .				
<i>conquinsco, stoop down</i>	<i>conquexi, old and rare</i>		<i>conquinscēre</i> cf. §§ 631, 635.	
<i>consūlo, consult</i>	<i>consūlūi</i>	<i>consultum</i>	<i>consūlēre</i>	<i>consūl-</i>
<i>cōqvo, cook</i>	<i>coxi</i>	<i>coctum</i>	<i>cōqvēre</i>	<i>cōqv-</i>
crēdo. See <i>do</i> .				
<i>crēpo, rattle</i>	<i>crēpui</i>	<i>crēpītum</i>	<i>crēpāre</i>	<i>crēp-ā-</i>
<i>cresco, grow</i>	<i>crēvi</i>	<i>crētum</i>	<i>crescēre</i>	<i>crē-</i>

Though *cresco* is intransitive, it has a part. *crētus, sprung from*.

<i>cūbo, lie, lie ill</i>	<i>cūbūi</i>	<i>cūbītum</i>	<i>cūbāre</i>	<i>cūb-ā-</i>
<i>cubāvi</i> is occasionally found.				

<i>cūdo, hammer</i>	<i>cūdi</i>	<i>cūsum</i>	<i>cūdēre</i>	<i>cūd-</i>
<i>-cumbo, lie, only in compounds, as strengthened form of cūbo.</i>				

accumbo, accūbui, accūbītum, accumbēre.

<i>cūpio, desire</i>	<i>cūpivi</i>	<i>cūpītum</i>	<i>cūpēre</i>	<i>cūp-ī-</i>
<i>cupiret</i> once in Lucr.				

<i>curro, run</i>	<i>cūcurri</i>	<i>cursum</i>	<i>currere</i>	<i>curr-</i>
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The compounds frequently retain the reduplication, e.g. *accū-curri, dēcūcurri, excūcurri*; more usually (in Cicero and Livy) drop it, e.g. *accurri*.

dēleo. See *lino*.

<i>depso, knead</i>	<i>depsui</i>	<i>depstum</i>	<i>depsēre</i>	<i>deps-</i>
<i>dīco, say</i>	<i>dixi</i>	<i>dictum</i>	<i>dīcēre</i>	<i>dīc-</i>
<i>disco, learn</i>	<i>dīdīci</i>		<i>discēre</i>	<i>dīc-</i>

Compounds retain reduplication, e.g. *ēdīsko, learn by heart, ēdīdīci*.

dispesco. See *pasco*.

<i>dīvido, divide</i>	<i>dīvīsi</i>	<i>dīvīsum</i>	<i>dīvidēre</i>	<i>dī-vīd-</i>
<i>do, give</i> (see	<i>dēdi</i>	<i>dātum</i>	<i>dāre</i>	<i>dā-</i>

The half-compounds *circumdo, surround, pessumdo, ruin, sātīdo, satisfy, venumdo, expose to sale*, follow *do* precisely.

crēdo, entrust, believe, vendo, sell, reddo, give back, and the compounds with monosyllabic prepositions have consonant stems: e.g. *crēdo, crēdīdi, crēdītum, crēdēre*. So also *accredo, accrēdīdi*.

The compound with *præ* exists only in *prædītus, endowed*.

The reduplication is retained in the compounds, except usually in *abscondo*.

For the passives of *vendo*, *perdo* (except past part. and gerundive) *veneo* and (usually) *pereo* are used.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
<i>dōceo, teach</i>	<i>dōcūi</i>	<i>doctum</i>	<i>dōcēre</i>	<i>dōc-ē-</i>
<i>dōleo, be in pain</i>	<i>dōlui</i>	<i>(dōlītūrus)</i>	<i>dōlēre</i>	<i>dōl-ē-</i>
<i>dōmo, tame</i>	<i>dōmui</i>	<i>dōmītum</i>	<i>dōmāre</i>	<i>dōm-ā-</i>
<i>dūco, draw, lead,</i> <i>account</i>	<i>duxi</i>	<i>ductum</i>	<i>dūcēre</i>	<i>dūc-</i>
<i>ēdo, eat</i>	<i>ēdi</i>	<i>esum</i>	<i>ēdēre</i>	<i>ēd-</i>

Supine sometimes *essum*. *Comēdo* has also (rarely) *comestum*.

<i>ēmo, buy (orig. take)</i>	<i>ēmi</i>	<i>emptum</i>	<i>ēmēre</i>	<i>ēm-</i>
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ādīmo, ādēmi, ademptum. So other compounds, except

(1) *cōēmo (cōēmi, coemptum)*, *perēmo*, *interēmo*, which retain *e*.

(2) the earlier compounds *cōmo*, *dēmo*, *prōmo*, *sūmo*, which make *compsi*, *comptum*, &c.

<i>ēo, go (see Ch. XXVIII.)</i>	<i>ivi</i>	<i>itum</i>	<i>ire</i>	<i>i-</i>
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Compounds always omit *v* (e.g. *ādīi*), in 1st pers. perf., and usually in other persons of perfect and thence derived tenses.

vēneo, be for sale, is a compound of *eo*. It has no supine.

<i>exuo, strip off</i> <i>(clothes, &c.)</i>	<i>exui</i>	<i>exitum</i>	<i>exuēre</i>	<i>exu-</i>
<i>fācesso, cause, make</i> <i>off</i>	<i>fācessivi</i>	<i>fācessitum</i>	<i>fācessēre</i>	<i>fācess-</i> <i>fācess-i-</i>
<i>fācio, make, do</i>	<i>fēcī</i>	<i>factum</i>	<i>fācēre</i>	<i>fāc-i-</i>

For the passive, in tenses formed from present stem, *fiō* is used.

prōficiō, make progress, *prōfēcī*, *prōfectum*, *prōficiēre*. So the other compounds with prepositions. But *calefacio* being only half compound (§ 300) retains *a*.

proficiscor, set out (on a journey), travel, *prōfectum*, *prōficisci*.

<i>fallo, deceive, elude</i>	<i>fēfelli</i>	<i>falsum</i>	<i>fallēre</i>	<i>fall-</i>
<i>refello, refute</i> , <i>refelli</i> , <i>refellēre</i> .				

<i>farcio, stuff</i>	<i>farsi</i>	<i>fartum</i>	<i>farcīre</i>	<i>farc-i-</i>
<i>rāfercio, rāfersi, rāfertum, rāfercīre</i> . So also <i>differtus</i> .				

<i>fāteor, acknowledge</i>		<i>fassum</i>	<i>fātēri</i>	<i>fāt-ē-</i>
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confiteor, confessum, confitēri. So *prōfiteor*. *diffiteor* has no part. perf.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
<i>fātisco</i> <i>fātiscor</i> (old) } <i>gape, droop</i>		(<i>fessus</i> adj. <i>weary</i>)	{ <i>fātiscere</i> { <i>fātisci</i>	<i>fāt-I-?</i>
<i>dēfētiscor, defessum, defetisci.</i>				
<i>fāveo, be favourable</i> <i>-fendo, strike, only in compounds.</i>	<i>fāvi</i>	<i>fautum</i>	<i>fāvēre</i>	<i>fāv-ē-</i> <i>fend-</i>
<i>defendo, ward off, guard, defendi, defensum, defendere. So also</i> <i>offendo, strike against.</i>				

fērio, strike (see *ico*) *fērīre* *fēr-I-*
(*percussi, percussum* are often used as perfect and supine.)

fēro (Ch. XXVIII.), (*tūli*) (*lātum*) *ferre* *fēr-*
bring

Perfect and supine are borrowed from *tollo*.

<i>affēro,</i>	<i>attūli,</i>	<i>allātum,</i>	<i>afferre;</i>
<i>aufero,</i>	<i>abstūli,</i>	<i>ablātum,</i>	<i>auferre;</i>
<i>diffēro,</i>	<i>distūli,</i>	<i>dilātum,</i>	<i>differre;</i>
<i>offēro,</i>	<i>obtūli</i>	<i>oblātum,</i>	<i>offerre;</i>
<i>rēfēro,</i>	<i>rēttuli,</i>	<i>rēlātum</i> (or rarely <i>rellatum</i>)	<i>rēfferre;</i>

rēfert, it is of importance (probably for *rei fert*) is used as impersonal.

suffēro, (*sustīnui*) *sufferre.*

sustūli as perf. of *suffero* is rare.

ferveo, boil, glow { *fervi*
 { *ferbui* *fervēre* *ferv-ē-*

A consonantal stem (e.g. *fervit, fervere*) frequent in *præ-Aug.* and *Aug. poets.*

fīdo, trust *fīsum* *fīdēre* *fīd-*

fīsus sum is used for perf., *I have trusted.*

fīgo, fix *fīxi* *fīxum* *fīgēre* *fīg-*

fīctus as past participle in *Varro, R. R. and Lucr.*

fīo, become (see Ch. XXVIII.), *fīeri* *fī-*

The compound *inīit, be begins*, only in this one form (poetical).

<i>fīndo, cleave</i>	<i>fīdi</i>	<i>fīssum</i>	<i>fīndēre</i>	<i>fīd-</i>
<i>fīngo, form, invent</i>	<i>fīnxi</i>	<i>fīctum</i>	<i>fīngēre</i>	<i>fīg-</i>
<i>fīleo, weep</i>	<i>fīlvi</i>	<i>fīlētum</i>	<i>fīlēre</i>	<i>fīl-</i>
<i>fīlecto, bend</i>	<i>fīlexi</i>	<i>fīlexum</i>	<i>fīlectēre</i>	<i>fīlect-</i>

-fīgo, strike, only in compounds.

affīgo, strike against, knock down, affīxi, affīctum, affīgēre.

So the other compounds, except *profligo*, *put to rout*, *prōfligāvi*, *prōfligātum*, *prōfligāre*.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
<i>flūo</i> , <i>flow</i> (<i>fluxus</i> , adj. <i>loose</i> , <i>fluxus</i> , subst. <i>a wave</i>)	<i>fluxi</i>		<i>fluere</i>	<i>flūgv-</i>
<i>fōdio</i> , <i>dig</i>	<i>fōdi</i>	<i>fossūm</i>	<i>fōdere</i>	<i>fōd-i-</i>

Inf. *fodiri*, *effodiri* are found in the older language.

<i>fātur</i> , <i>he speaks</i>	<i>fātum</i>	<i>fāri</i>	<i>fa-</i>
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The following only found: pres. ind. *fātur*; fut. *fābor*, *fābitur*; perf. *fatus est*; pluperf. *fatus eram*, *erat*; imper. *fāre*, inf. *fāri*; part. *fantem*, &c. (no nominative, except in phrase *fans atque infans*, Plaut.), *fatus*, *fandus*, and *fatū*.

In compounds we have also *-famur*, *-famini*; *-fābar*, *-fārer*, &c., and in comp. imperat. &c., *præfato*, *præfamino*.

<i>fōveo</i> , <i>keep warm</i> , <i>fōvi</i> <i>cherish</i>	<i>fōtūm</i>	<i>fōvere</i>	<i>fōv-ē-</i>
<i>frango</i> , <i>break in pieces</i> <i>frēgi</i>	<i>fractūm</i>	<i>frangere</i>	<i>frāg-</i>

Compounds as *confringo*, *confrēgi*, *confractum*, *confringere*.

<i>frēmo</i> , <i>roar</i> , <i>snort</i>	<i>frēmui</i>	<i>frēmītum</i>	<i>frēmere</i>	<i>frēm-</i>
<i>frendo</i> , <i>gnash</i> (with the teeth)		{ <i>fressum</i> <i>frēsūm</i>	<i>frendere</i>	<i>frend-</i>
<i>frico</i> , <i>rub</i>	<i>frictūi</i>	{ <i>frictum</i> <i>fricātum</i>	<i>fricāre</i>	<i>fric-ā-</i>
<i>frigeo</i> , <i>be cold</i>	<i>fixi</i>		<i>frigere</i>	<i>frig-ē-</i>
<i>frigo</i> , <i>roast</i> , (corn, &c.)		<i>frictum</i>	<i>frigere</i>	<i>frig-</i>
<i>fruor</i> , <i>enjoy</i>		<i>fructum</i>	<i>frui</i>	<i>frugv-</i>

fruitum once (Ulpian), fut. part. *frutūrus* once (Cic.). An old form *fruniscor*, *frunitum* is quoted from early writers.

<i>fūgio</i> , <i>flee</i> , <i>fly from</i>	<i>fūgi</i>	(<i>fūgitūrus</i>)	<i>fūgere</i>	<i>fūg-i-</i>
<i>fulcio</i> , <i>prop</i>	<i>fulsi</i>	<i>fultum</i>	<i>fulcire</i>	<i>fulc-i-</i>
<i>fulgeo</i> , <i>flash</i>	<i>fulsi</i>		<i>fulgere</i>	<i>fulg-ē-</i>

A consonantal stem e.g. *fulgit*, *fulgere* is found in præ-Aug. poets; twice in Vergil.

<i>fundo</i> , <i>pour</i> , <i>rout</i> (an enemy)	<i>fūdi</i>	<i>fūsum</i>	<i>fundere</i>	<i>fūd-</i>
<i>fungor</i> , <i>get quit</i> , <i>dis-</i> <i>charge</i> (an office, &c.)		<i>functum</i>	<i>fungi</i>	<i>fung-</i>
<i>fuo</i> , <i>grow?</i> see <i>sum</i> , Ch. XXVII.				
<i>fūris</i> , <i>thou ragest</i>			<i>fūrere</i>	<i>fūr-</i>

Only *furis*, *furit*, *furunt*, *furebas*, *furebat*, *fūrere*, *furens* are found.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
gaudeo, be glad		gāvīsum	gaudēre	gavid-ē-
gavisus sum, I rejoiced				

gēmo, sigh, groan	gemui	gēmītum	gēmēre	gēm-
gēro, carry, perform	gessi	gestum	gērēre	gēs-
gigno, beget, produce	gēnui	gēnītum	gignēre	gēn-

In old language (Lucr. Varr.), sometimes gēno is found.

glisco, swell, kindle			gliscēre	gli-
glūbo, peel		gluptum	glūbēre	glūb-
grādior, step		gressum	grādī	grād-i-

Compounds, as **aggrēdior, attack, aggressum, aggrēdi**. Inf. **ag-gredīri, progredīri**, pres. **aggređimur** are found in Plaut.

-gruo only in compounds.

gru-

congruo, agree, congrui, congruēre. So also **ingruo, impend.**

hābeo, have	hābui	hābītum	hābēre	hab-ē
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So the compounds **dēbeo, owe, debui, debitum, dēbēre; prābeo, afford, prābui, prābitum, prābēre** (in Plautus **dehibeo, prā-hibeo**): **prōbeo** (Lucr.) for **prohibeo**.

hæreo, stick intr.	hæsi	hæsum	hæreēre	hæs-ē- (or hær-ē?)
haurio, drain, draw (water)	hausi	haustum	haurīre	haus-i-

In Varr. once **haurierint**. Fut. part. **haustūrus** (C. *Fam.* 6. 6. 9) and **hausūrus**, Verg. *A.* IV. 383; Stat. *Ach.* 1. 667; Sil. VII. 584, XVI. 11; and perhaps Sen. *Ep.* 51. 6, **exhausurus**.

hisco, gape, open the mouth, to speak			hiscēre	hi-
jāceo, lie	jācui	(jācīturus)	jācēre	jāc-ē-
jācio, cast	jēcī	jactum	jācēre	jāc-i-

abicio, abjēcī, abjectum, abicēre. So the other compounds (see § 144). **Dissicio** for **dis-jacio**.

porricio, offer (sacrifices), &c, porrectum, porricere (without perf.).

Ico (or Icio?), strike	ici	ictum	icēre	ic-
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Of the present (rare), only **icīt, icitur, icimur** occurs: (**fērio** is generally used instead). The perfect is often in MSS. written **iecit**.

imbuo, steep, imbue	imbui	imbūtum	imbuēre	imbū-
incesso, attack	incessīvi		incessēre	incess- incess-i-
indulgeo, yield, intr.	indulsi		indulgēre	indulg-ē-

(**Indult-um** &c. appears not to be used before the 3rd century or later.)

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
induo, put on (clothes), &c.	indui	indūtum	induere	indū-
inquam, quoth	inqui			{ inqvā- or inqvī-

The following forms only occur. Pres. ind. *inquam, inquis, inquit, inquilimus, inquit.* Fut. *inquies, inquiet.* Imperf. *inquiebat.* Perf. *inqui, inquisti, inquit.* Imperat. 2nd sing. *inque, inquito, plur. inquite.*

irascor, grow angry	irātum	irasci	irā-
irātus sum, I am angry: succensui, I was angry.			

jūbeo, bid	jussi	jussum	jūbere	jūb-ē-
jungo, yoke, join	junxi	junctum	jungere	jung-
jūvo, help, delight	jūvi	jūtum	jūvāre	jūv-ā-

fut. part. *jūvātūrus.* Adjūvo has *adjūtūrus.*

lābor, <i>slip, glide</i>	lāsum	lābi	lāb-	
lācesso, <i>provoke</i>	lācessīvi	lācessītum	lācessēre	(lācess-
-lācio, <i>entice</i>. Only in compounds.				lācessī-
				lāci-

allicio, allexi, allectum, allicere. So **illicio, pellicio.**

ēlicio, ēlicui, ēlicitum, ēlicere. **Prōlicio** has no perfect or supine.

lædo, strike (rare), burt	læsi	læsum	lædere	læd-
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collido, dash together, collisi, collisum, collidere.

lambo, <i>lick</i>	lambi (once)	lambère	lamb-	
langveo, <i>be faint</i>	langvi	langvère	langv-ě-	
lāvo, <i>wash</i>	lāvi	{ lāvātum lautum lōtum	lāvāre	lāv-ā-

A consonantal stem (e.g. *lāvit, lāvēre, &c.*) is frequent in præ-Augustan and Augustan poets.

For compounds see *luo*.

lēgo, pick up, choose, read	lēgi	lectum	lēgere	lēg-
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colligo, collect, collēgi, collectum, colligere. So compounds generally:

Except that (1) *allēgo, choose besides, perlēgo, read through, prælēgo, read to others, rēlēgo, read again, sublēgo, pick up, substitute, retain &c.*

- (2) *dilego* (or *dilligo*), *love*, *intellēgo*, *understand*, *neglēgo*, *neglect*, retain *e* and have perf. in *-xi*, e.g. *neglexi*. (Rarely *intellēgi*, *neglēgi*.)

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
<i>libet, it pleases</i>	{ libuit { libitum est			

Only used in 3rd pers. Rarely in plural. Also participle *libens*.
(The stem vowel was in early times u; e.g. *lūbet*.)

<i>liceo, be on sale</i>	licui	licitum	licere	lic-ě-
<i>liceor, bid for</i>	licitus sum		liceri	lic-ě-
<i>licet, it is permitted</i>	{ licuit		licere	lic-ě-
	{ licitum est			

Only used in 3rd pers. Rarely in plural. **Licēto, licens, licētus,**
also found.

lingo, lick		linctum	lingere	ling-
lino, besmear	lëvi	litum	linere	li-

Uvi is also found.

In post-Augustan writers, we have *Unio*, *Univi*, *UnItum*, *Unire*.

dēleo, blot out, delēvi, delētum, delēre, probably belong to this stem.

lingvo, leave **liqvi** **lingvère** **liqv-**

The compound, **rēlinqvo**, **rēllqvī**, **rēlictum**, **rēlinqvēre**, is more usual.

liqveo, be clear, fluid	liqūi	liqvēre	liqv-ē-
liqvor, melt, intr.		liqvi	liqv-
lōqvor, speak	lōcūtum	lōqvi	lōqv-
lūceo, be light, beam	luxi	lūcēre	lūc-ē-
lūdo, sport	lūsi	lūsum	lūd-ē-
lūgeo, mourn, trans.	luxi	(luctus subs.) lūgēre	lūg-ē-
luo, pay, expiate	lui	luēre	lū-

Compounds retain the original meaning, *wash* (luo=lävo), and have past part. e.g. **dīluo**, **dīlūi**, **dīlūtum**, **dīluere**.

-măniscor or -mëniscor, only in compounds. } măn-
or mën-

Only perfect stem (with present meaning) in use. **Memini, I remember.** Imperative **memento, mementote.**

commīniscor, devise, commentum, commīnisci. So also **rēmīnis-**
cor, call to mind.

mando, chew	mandi (once)	mansum	mandère	mand-
māneo, remain, await	mansi	mansum	mānère	mān-ē-

ămîneo, *project*, ămînui, ămînere (no supine).

immineo, impend, promineo, no perf. or supine.

permăneo is like **măneo**.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
mēdeor, <i>be a remedy</i>			mēdēri	mēd-ē-
mēreo, <i>earn</i>	mērui	mēritum	mērēre	mēr-ē-
mergo, <i>sink</i> , trans.	mersi	mersum	mergēre	merg-

ēmergo, *emerge*, is intrans., but has part. perf. *emersus*, *having emerged*.

mētior, <i>measure</i>		mensum	mētiri	mēt-I-
mēto, <i>moor</i>	messui (rare)	messum	mētēre	mēt-

The perfect is found only in quotations from Cato and Cassius Hemina.

mētuo, <i>fear</i>	mētui		mētuēre	mētū-
	mētūtus, once in Lucret.			

mīco, <i>quiver, flash</i> , trans.	mīcui		mīcāre	mīc-ā-
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ēmīco, ēmīcūi, fut. part. *emicāturus*.

dīmīco, dīmīcāvi (dīmīcui twice in Ovid), dīmīcātum.

mingo	minxi	mictum	mingēre	mīg-
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Another form of the present is *mejo*.

mīnuo, <i>lessen</i>	mīnuī	mīnūtum	mīnuēre	mīnū-
misceo, <i>mix</i>	miscui	mixtum	miscēre	misc-ē-

The supine is sometimes written *mistum*.

mīsereor, <i>feel pity</i>		mīsēritum	mīsērēri	miser-ē-
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misertum is rarely found.

mīsereo is very rare: *miseret* and (in early writers) *miserētur*, *miserescit* are used impersonally.

mitto, <i>let go, send</i>	mīsi	missum	mittēre	mitt-
mōlo, <i>grind</i>	mōlui	mōlītum	mōlēre	mōl-
mōneo, <i>warn</i>	mōnuī	mōnītum	mōnēre	mōn-ē-
mordeo, <i>bite</i>	mōmordi	morsum	mordēre	mord-ē-
mōrior, <i>die</i>	mortuus sum		mōri	mōr-I-
	fut. part. mōrītūrus			

Inf. *moriri*, *emori* several times in Plaut. once in Ter. once in Ovid.

mōveo, <i>move</i> , trans.	mōvi	mōtum	mōvēre	mōv-ē-
mulceo, <i>stroke</i>	mulsi	mulsum	mulcēre	mulc-ē-

Permulctus is also found besides the more usual *permulsus*.

mulgeo, <i>milk</i>	mulsi		mulgēre	mulg-ē-
mulctu abl. in Varro. mulctrum, <i>milking-pail</i> .				

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
-mungo only in compound				-mung-

ēmungo *wipe* (nose), ēmunxi, ēmunctum, ēmungēre.

nanciscor, <i>gain</i>		{nactum nactum	nancisci	{nane-i- nāc-
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C. Gracchus is said to have used a future nanciā.

nascor, <i>be born</i>		nātum	nasci	gna-
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Originally gnascor, whence agnātus, cognātus, prognātus. But ēnascor, ēnātus.

nēco, <i>kill</i>	nēcāvi	nēcātum	nēcāre	nēc-ā-
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necui once in Phædrus and Ennius: ēnēco, *stifle completely*, ēnēcūi and ēnēcāvi (both rare), ēnectum, ēnēcāre.

necto, <i>link together</i>	nexi	nexum	nectēre	neot-
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nexui is probably from nexo, nexāre which is quoted from early writers.

neo, <i>spin</i>	nēvi	nētum (Ulp.)	nēre	nē-
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neqveo. See qveo.

ningit } ningvit }	it snows	ninxit	ningēre	{ning- ningv-
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nitor, <i>lean, strive</i>		{nixum nīsum	nīti	gnict-
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fut. part. nistūrus: so also compounds.

Originally gnitor, *kneel*, from genu, *knee*. Nixus generally in sense of *leaning*, nixus, *striving*. Comitor, adnitor, enitor have both forms frequently (in sense of *bearing children* always enixa). Innixus, obnixus, subnixus are infrequent: and in poetry all the compounds of nixus are rare.

-niveo only in compound.				nigv-
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coniveo, *shut eyes, wink*, {conīvi } (both (no supine) cōnivēre
{conixi } rare)

nōceo, <i>be hurtful</i>	nōcui	(nōcīturus)	nocēre	nēc-ē-
nosco, <i>get to know</i>	nōvi,	nōtum	noscēre	gnō-

The perf. means *got to know*, and so *know*.

nōtus only as adj. *known*: fut. part. is not used.

agnosco, cognosco, have supines agnītum (fut. part. agnōturus once, Sall.), cognītum:

ignosco, ignōtum, fut. part. ignoturus (quoted from Cato and Cic.; ignosciturus from Piso): dignosco, internosco, have no supine.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
pœnitet, it repents	pœnituit		pœnitēre	pœnit-ē-
Rarely personal. pœnitendum and (in quotations from Sall. and Acc.) pœniturum (for pœnititurum ?) are also found. Pœnitens as adj. <i>penitent</i> .				

pando, spread out, open	pandi	passum	pandēre	{ pand- pād-
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Dispando has **dispansum, dispessum**. **Expando, expansum**. The simple **pansum** once in Vitruvius.

pango, fasten	pēgi	{ pactum panctum	pangēre	{ pāg- pang-
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Panxi is found twice (in Ennius and Columella).

compingo, compēgi, compactum, compingēre. So **impingo**.

oppango, oppēgi, oppactum, oppangēre. **Depango, repango** also retain a.

pāc-isc-or, bargain, pēpi, pactum, pācisci, pāc-

Compāciscor or **compēciscor** has **compactum** or **compectum**.

In the XII Tables **paco** (for **pago**), *bargain*, is found.

parco, spare	pēperci		parcēre	parc-
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Fut. part. **parsurus**. Plautus always, and Terence sometimes, has **parsi**.

comperco, compersi, compercēre. **Imperco, reperco** (or **reparco**) found in present only.

pāreo, appear, be obedient	pāruī	(pārīturus)	pārēre	pār-ē-
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pārio, get, bring forth	pēpēri	partum	pārēre	pār-ī-
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Fut. part. **pārīturus**.

Pārens, a parent, is an old participle of this verb.

compērio
compērior (rare) } *ascertain, compēri, compertum, compērīre.*
rēpērio, find, reppēri, rēpertum, rēpērīre.

pasco, pasture, feed	pāvi	pastum	pascēre	pās-
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The active is rarely used of the animals *feeding* except in pres. participle.

Dēpasco follows **pasco**.

Compesco (lit. *pasture together?*), *confine*, **compescui, compescēre** (no supine). So **dispesco** (rare), *separate*.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
pätior, suffer		passum	päti	pät-i-

perpätior, perpassus sum, perpätí.

päveo, quake with fear	pävi		päväre	päv-ä-
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pecto, comb	pexi (once)	pexum	pectäre	pect-
pëdo	pëpëdi		pëdäre	pëd-
pello, push, drive back	pëpülí	pulsum	pelläre	pell-

appello (esp. of a ship, *put in*), **appülí**, **appulsum**, **appelläre**.

So the other compounds. **Rëpello** always has **reppülí** or **rëpülí**.

pendeo, bang, intr.	pëpendí	pensum	pendäre	pend-ä-
pendo, weigh, pay, value	pëpendí	pensum	pendäre	pend-

originally *bang*, trans. So **suspendo**, *hang up*.

-perio only in compounds, except **peritus**, *skilled*. **për-i-**

Comp. **periculum**, *περίπαω*.

äperio (ab perio?), *uncover, open*, **äpërüí**, **äpertum**, **äpëríre**.

expëríor, *try*, **expertum**, **expëríri**.

öpërio (ob perio?), *cover*, **öpërüí**, **öpertum**, **öpëríre**.

opperíor, *wait for*, **oppertum** and **opperítum**, **oppëríri**.

pëto, seek, aim at	{ pëtívi pëtíí	pëtítum	pëtäre	{ pët- pet-i-
píget, it vexes	{ píguít pígítum est		pígäre	píg-e-

Only used in 3rd pers. sing. The gerund and gerundive are also found.

pingo, paint	pínxi	píctum	píngäre	{ píg- píng-
pínso, } pound	{ pínsui pínsí	{ pínsítum pístum	{ pínsäre písäre	píns- pís-

Pínalbant once in Ennius. Hence **pínsitus**, often in Columella's prose, has perhaps **L**. **Pínsui**, **pínsí** occur once each.

pláceo, be pleasing	pläcui	pläcítum	pläcäre	pläc-ä-
plango, beat (esp. the breast in grief)	planxi	planctum	plangäre	plang-
plaudo, clap (the hands, &c.)	plausi	plausum	plaudäre	plaud-

explōdo (*biss off*, i.e. *drive away by bisping*), **explōsi**, **explōsum**, **explōdere**. So the other compounds. **applāudo** does not change the vowel.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
plecto, strike, punish (rare except in passive)			plectĕre	plect-
-plecto, twine		plexum	-plectĕre	plect-

Only in perf. part. and compounds, which are always of dependent form, except in one or two instances of imperatives in præ-Ciceronian writers.

amplector, *twine oneself round*, *embrace*, **amplexum**, **amplecti**.
So **complector**. Of other compounds only participles, **implexus**,
entwined, **perplexus**, *entangled*, are found.

-pleo, *fill*, only in compounds

plē-

Compounds as compleo, complēvi, complētum, complēre.

plīco, fold **plīcātum** **plīcāre** **plīc-ā-**
(rare except in compounds)

applico, apply, put { **applicāvi, applicātum,**
in (to share) { **applicui, applicitum,** **applicāre**

So the other compounds: the præ-Augustan writers used almost always -āvi, -ātum.

pluo, rain	{ pluit { plūvit (frequent in Livy)	pluere	plūv-
pollūceo, offer in sacrifice		polluctum	pollucere pollūcō-ē-
pōno, place	pōsui	pōsītum	pōnere pō-si-

Posi frequent in Plautus; also in Cato. **Posit**, **poset** (3rd pers. sing.) are also found in præ-Augustan inscriptions. **Postum** (simple and compound) is frequently found in poetry.

posco, demand **pōposci** **poscēre** **posc-**

Compounds retain reduplication, as *dēpōposci*, *expōposci*.

possideo. See sēdeo.

possum, <i>be able</i>	pötui (see Ch. XXVIII.)	pötesse	pötas-
pötior, <i>be master</i>	pötitum	pötiri	pöt-i-

In pres. ind. almost always **potitur**, **potimur**; imp. subj. **potērer** or **potirer**. In Plaut. inf. once **poti**: also act. perf. **potivi**.

pōto, drink pōtāvi pōtum pōtāre pōt-ā-

Pōtātum is rare ; fut. part. **pōtāturus** and **pōturus**.

pōtus, *that has drunk.*

prandeo, dine **prandi** **pransum** **prandere** **prand-ē-**
pransus, having dined.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
præhendo, lay bold of	præhendī	præhensum	præhendere	præhend-
Often contracted into prendo, &c.				

præmo, press	pressi	pressum	præmere	præm-
comprimo, compressi, compressum, comprimere. So the other compounds.				

præfiscor. See **facio.**

psallo, play on a stringed instrument	psalli		psallere	psall-
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pudet, it shames	{ puduit puditum est		pudere	pud-ē
puditurem and gerund and gerundive are also found.				Pudens as adj. <i>modest.</i>

pungo, prick	pūpūgi	punctum	pungere	{ pūg- pung-
Compounds have for perfect -puxi.				

qværo, seek, inquire	qvæsi	qvæsītum	qværere	{ qvæs- qvæs-i-
conqviro, conqvīsivi, conqvīsītum, conqvīrere. So the other compounds.				

In the 1st pers. sing. and plur. there is an old colloquial form,
qvæso, qvæsūmus, prythee.

qvatio, shake, trans.		qvassum	qvātere	qvāt-i-
concutio, concussi, concussum, concūtere. So the other compounds.				

qveo, be able (Ch. XXVIII.)	qvivi	qvītum	qvire	qvī-
qvëror, complain		qvëstum	qvëri	qvër-
qviesco, rest	qvīēvi	qvīētum	qviescere	qvī-ē-
rābo, rave (rare)			rābere	rāb-
rādo, scrape	rāsi	rāsum	rādere	rād-
rāpio, snatch, hurry away, trans.	rāpui	raptum	rāpere	rāp-i-

arripio, arripui, arreptum, arripere. So the other compounds.

rāvio, be hoarse, once in Plaut.	(ir-rauserit Cic.); (rausurus Lucil.)			rāv-i-
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rēfert. See **fëro**

rëgo, keep straight, rule	rexī	rectum	rëgere	rëg-
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Compounds as **arriigo, raise, arrexī, arrectum, arriigere.**

Except *pergo*, *continue*, *perrexi*, *perrectum*, *pergère*, whence *expergiscor* (*begin to stretch myself out*), *awake myself*, *experrectum* (*expergitum* in Lucil. Lucr.).

surgo (sub-*rego*) *rise*, *surrexi*, *surrectum*, *surgère*.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
<i>reor</i> , <i>think</i>		<i>rätum</i>	<i>rëri</i>	<i>rä-</i>
<i>reor</i> has no present part.				
<i>rëpo</i> , <i>creep</i>	<i>repsi</i>	<i>reptum</i>	<i>rëpère</i>	<i>rëp-</i>
<i>rideo</i> , <i>smile</i> , <i>laugh</i>	<i>risi</i>	<i>risum</i>	<i>ridère</i>	<i>rid-ë</i>
<i>ringor</i> , <i>show the teeth</i> , <i>snarl</i>		(<i>rictus</i> subs.)	<i>ringi</i>	<i>rig-</i>
<i>rödo</i> , <i>gnaw</i>	<i>rösi</i>	<i>rösum</i>	<i>rödère</i>	<i>röd-</i>
<i>rüdo</i> , <i>roar</i> , <i>bray</i>	<i>rüdivi</i> (rare)		<i>rüdère</i>	{ <i>rüd-</i> <i>rüd-i-</i>

Persius has *rüdere*.

<i>rumpo</i> , <i>break</i>	<i>rüpi</i>	<i>ruptum</i>	<i>rumpère</i>	<i>rüp-</i>
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In Plautus the *m* is sometimes retained, e.g. *dirruptum*, *corruptor* (subs.).

<i>ruo</i> , <i>tumble</i> , <i>dash</i>	<i>ru</i>	<i>-rütum</i>	<i>ruère</i>	<i>rü-</i>
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Generally intrans. The past part. found only in phrase *rüta cæsa* (has *ü* long, according to Varro, but in compounds it is always short; e.g. *dirütum*).

fut. part. (post-Augustan) *ruiturus*.

<i>sæpio</i> , <i>hedge in</i>	<i>sæpsi</i>	<i>sæptum</i>	<i>sæpire</i>	<i>sæp-i-</i>
<i>salio</i> {		{ <i>salitum</i>	<i>sallère</i>	{ <i>sal-i-</i>
<i>sallo</i> } <i>salt</i>		{ <i>salsum</i>		{ <i>sall-</i>

An inf. *salire* is not certain. Nor is the quantity of the first two syllables in *salitum*. Both forms of the verb are found in MSS. with *l* and *ll*.

<i>sällo</i> , <i>leap</i>	<i>sälüi</i>	(<i>saltus</i> subst.)	<i>sälire</i>	<i>säl-i-</i>
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Desllo, *deslui*, *deslire*. So the other compounds.

The forms *salivi*, *salli* are rare both in simple and compounds.

sälve, *hail!* also *salvete* inf. *salvère* and fut. *salvëbis*. (The present *salveo* once in Plautus, perhaps in joke, *salve* being probably originally an adverb.)

<i>sancio</i> , <i>halloo</i> , <i>ordain</i>	<i>sanxi</i>	<i>sanctum</i>	<i>sancire</i>	<i>sanc-i-</i>
<i>sancitum</i> (rarely). <i>sancierat</i> is quoted from Pompon. Secundus.				

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
sāpio, have a savour of, be wise	sāpīvi		sāpēre	sāp-ī-

desāpio, be foolish, no perf. or sup., desāpēre.

rēsāpisco, recover senses, rēsāptū and rēsāpīvi, rēsāpiscere.

sarcio, patch	sarsi	sartum	sarcire	sarc-ī-
sārio, hoe	sarui (once)	saritum	sarire	sar-ī-

Also written **sarrio**. Perf. also **sarivi**.

sarpo, trim		sarptum	sarpere	sarp-
scābo, scratch	scābi (rare)		scābēre	scāb-
scalpo, scrape	scalpsi	scalptum	scalpere	scalp-

Compounds follow **sculpo**.

scando, climb	scandi	scansum	scandere	scand-
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ascendo, ascendi, ascensum, ascendere. So the other compounds.

scindo, tear, cut	scīdi	scissum	scindere	scīd-
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A perfect **scīdī** is quoted from Nævius, Attius, &c.

Excindo has no perfect. The other compounds follow **scindo**.

scisco, enact	scīvi	scītum	sciscere	scī-
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A strengthened form of **scio**.

scribo, write	scripsi	scriptum	scribere	scrib-
sculpo, carve in stone, &c.	sculpsi	sculptum	sculpere	sculp-

Another form of **scalpo**.

sēco, cut	sēcui	sectum	sēcāre	sēc-ā-
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fut. part. **sēcātūrus** (once in Colum.).

sēdeo, sit	sēdi	sessum	sēdere	sēd-ē-
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Possideo, occupy, possēdi, possessum, possīdere. So the other compounds, except **sūpersedeo, refrain, circumsēdeo**, which do not change the **e**. **Dissīdeo, præsīdeo** have no supine.

sentio, feel, think	sensi	sensum	sentire	sent-ī-
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Assentior, assensus sum, is used as deponent (besides **assentio**).

sēpēllo, bury	sēpēlīvi	sēpultum	sēpēlire	sēpēl-ī-
sēqvor, follow		sēcūtum	sēqvi	sēqv-
sēro, sow, plant	sēvi	sātum	sērere	sā-
sēro, put in rows		(serta, garlands).	sērere	sēr-

Compounds as **consēro, consērū, consertum, consērere**.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
serpo, crawl	serpsi	serptum	serpĕre	serp-

Another form of **rĕpo**. Cf. Greek *ἔρπω*.

sĭdo, settle, intr.	sĭdĭ		sĭdĕre	sĭd-
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sĕdĭ and **sessum** from **sĕdeo** are the usual perfect and supine, and so the compounds.

sĭno, put, leave, suffer	sĭvi	sĭtum	sĭnĕre	sĭ-
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In subj. perf. **sĭrim, sĭris, sĭrit, sĭrint**.

Dĕsĭno, dĕsĭi in post-Augustan writers (**desistĭ, desĭt, pluperf. dĕsĭĕram, perf. subj. dĕsĭĕrim**), **dĕsĭtum, dĕsĭnĕre**. (Cicero and Cæsar generally use **destitĭ** for perf.)

Dĕsĭtus sum used before a passive infin. *I ceased*.

sisto, set, stay, trans.	stĭtĭ (rare)	stĭtum	sistĕre	stĭ-
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desisto, destitĭ, destĭtum, desistere. So the compounds, all intransitive. The reduplication is retained. **Sisto** is rarely intrans. and then has perf. **stĕtĭ** (from **sto**). So also **circumstĕtĭ**.

sĕleo, be wont		sĕlĭtum	sĕlĕre	sĕl-ĕ-
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Perf. **sĕlĭtus sum, I was accustomed**.

solvo, loose, pay	solvi	sĕlĭtum	solvĕre	solv-
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Sometimes in Augustan poets **sĕlui**.

sĕno, sound	sĕnui	sĕnĭtum	sĕnĕre	sĕn-ĕ-
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fut. part. **sĕnĕtĭrus** (once in Hor.). In præ-Augustan poets sometimes **sonĕre, sonĭt, sonunt**.

sorbeo, sup up, suck in	sorbui	(sorbĭtio, subst.)	sorbĕre	sorb-ĕ-
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absorbeo, absorbui, absorbĕre. So other compounds. Rarely a perfect (post-Augustan) in **si**; **absorpsi, exsorpsi**.

spargo, scatter, be-sprinkle.	sparsi	sparsum	spargĕre	sparg-
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Compounds as **conspargo, conspersi, conspersum, conspergĕre**.

spĕcio, look, only in Plautus. (But spĭcio Plaut. Mil.)				spĕc-ĭ-
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aspĭcio, aspexi, aspectum, aspĭcere. So the other compounds.

spĕrno, reject, despise	sprĕvi	sprĕtum	spernĕre	{ spĕr- sprĕ-
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Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
spondeo, pledge oneself	spōpondi	sponsum	spondēre	spond-ē-

Despopondi twice in Plautus.

spuo, spit	spui	spūtum	spūere	spū-
stātuo, set-up, settle (with oneself)	stātui	stātūtum	stātuere	statū-
sterno, throw on the ground, cover	strāvi	strātum	sternere	{ stār- strā-
sternuo, sneeze	sternui		sternuere	sternū-
sterto, snore	stertui		stertere	stert-
stingvo (rare), stamp, extinguish			stingvere	stingv-

Exstingvo, exstinxi, extinctum, exstingvere. So the other compounds.

sto, stand	stēti	stātum	stāre	stā-
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Fut. part. **stāturus** in Lucan.

Præsto, be superior, show, warrant, præstīti, præstatum (also **præstītum**), **præstāre**. The other compounds have fut. part. **-staturus** (**constāturus** Luc. Mart., **perstāturus** Stat.) but no supine: **disto**, has no perf. or supine: those with disyllabic prepositions retain **e** in the perf. (e.g. **circumstēti**).

strēpo, make a din	strēpui	strēpītum	strēpere	strēp-
strideo, hiss, screech	strīdi		strīdere	strīd-ē-

A consonantal form (e.g. **stridunt, strīdere**) is found in Augustan poets; also Plin. Epist.

stringo, strip, graze, draw tight	strinxi	strictum	stringere	{ strīg- string-
struo, heap up, build	struxi	structum	struere	strūgv-
svādeo, recommend	svāsi	svāsum	svādere	svād-ē-
svesco, accustom one- self	svēvi	svētum	svescere	svē-

An old form of present indic. 1st pers. plur. **suēmus** (as from **sueo**).

sūgo, suck	suxi	suctum	sūgere	sūg-
sum, be	see Ch. XXVII.		esse	ēs-
suo, sow, stitch	sui	sūtum	suere	sū-
tāceo, be silent	tācui	tācītum	tācere	tāc-ē-
tædet, it wearieth	tæsum est			tæd-ē-

For perf. **pertæsum est** is more common. **Tædescit, obtædescit, pertædescit, distædet** are also used impersonally.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
tango, <i>touch</i>	tētigi	tactum	tangere	tāg-

Attingo, attigi, attactum, attingere. So the other compounds.

In Plautus rarely tago, attigo.

tēgo, <i>cover</i>	texi	tectum	tēgere	tēg-
temno, <i>despise</i>	tempai	temptum	temnere	tem-
tendo, <i>stretch, tend</i>	tētendi	tentum	tendere	tend-

In post-Augustan writers sometimes tēsum. Compounds have -tēsum occasionally.

tēneo, <i>bold</i>	tēnui	tentum (rare)	tēnere	ten-ē-
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Perfect tetini is quoted from Pacuvius and Accius.

Supine and cognate forms are little used, except in the compounds, detineo, obtineo, and retineo. Contentus only as adj. *content*.

dētineo, dētīnui, dētentum, dētīnere. So the other compounds.

terreo, <i>frighten</i>	terrui	territum	terrere	tērr-ē-
tergeo, <i>wipe</i>	tersi	tersum	tergere	terg-ē-

A consonantal stem (e.g. tergit, terguntur) is also found sometimes.

tēro, <i>rub</i>	trivi	tritum	tērere	{ tēr- trī-
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attēruisse in Tibull. (once).

texo, <i>weave</i>	texui	textum	texere	tex-
tingo, { <i>dip, dye</i>	tinxi	tinctum	{ tingere tingvere	tingv-
tollo, <i>lift up, remove</i> (sustuli)	(sublatum)	tollere	toll-	

tūli (in prae-August. poets tētūli, in some old inscriptions toll) and latum (for tlatum) are the proper perf. and supine: but as these are taken by fero, tollo takes the perf. and supine of its compound sustollo.

The compounds have no perf. or supine.

tondeo, <i>shear</i>	tōtondi	tonsūm	tondere	tond-ē-
tōno, <i>thunder</i>	tōnui	tōnītum	tōnāre	tōn-ā-

intōno has part. intōnātus (once Hor.). The other compounds follow tōno.

torqueo, <i>twist, whirl</i>	torsi	tortum	torquere	torqv-ē-
torreo, <i>roast</i>	torrui	tostum	torrere	tors-ē-

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
trāho, drag	traxi	tractum	trāhēre	trāh-
trēmo, tremble	tremui		trēmēre	trēm-
tribuo, assign, grant	tribui	tribūtum	tribuēre	tribū-
trūdo, thrust	trūsi	trūsūm	trūdēre	trūd-
tūēor, look at, protect		{ tūtum tuitum	tuēri	tu-ē-
tūtus, adj. safe.				

Tūtātus sum (from **tutor**) is generally used as perfect; **tūtus** or (post-Augustan) **tuitus sum** are rare. **Contueor, intueor** have (post-Augustan) **contūtus, intūtus sum**. A present with stem in -u (e.g. **tuimur, contuor, &c.**), is frequent in præ-August. poets and Seneca's tragedies.

tundo, thump	tūtūdi	{ tūsūm tunsum	tundēre	tūd-
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Contundo, contūdi, contūsūm, contundēre. So **pertundo**. **Obtundo, retundo** have both -**tunsum** and -**tūsūm**. Perfect of **retundo** always **retundī**.

turgeo, swell	tursi		turgēre	turg-ē-
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tursi is quoted from Ennius (once); **obtursi** from Lucilius (once).

vādo, go			vādēre	vād-
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Invādo, invāsi, invāsūm, invādēre. So other compounds.

vāleo, be strong	vālui	(vālitūrus)	vālēre	vāl-ē-
vēgeo, stir up (old word)		(vēgētus adj.)	vēgēre	vēg-ē-

vēho, carry	vexi	vectum	vēhēre	vēh-
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Pres. part. and gerund also used intransitively, *riding*.

vello, pull, pluck	velli	vulsum	vellēre	vell-
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Vulsi both in simple and compounds is sometimes found in post-Augustan writers.

vendo, sell. See **do**.

vēneo, be sold. See **eo**.

vēnio, come	vēni	ventum	vēnīre	vēn-ī-
vēreor, be awed at		vērītum	vērēri	vēr-e-
vergo, incline			vergēre	verg-
verro, brush	verri (rare)	versum	verrēre	verr-
verto, turn	verti	versum	vertēre	vert-

So the compounds generally, but

divertor, put up (at an inn), divertī (perf.), diversum, divertī (inf.).

rēvertor, *return*, perf. **reverti**, **reversum**, **reverti** (inf.), **reversus**, *having returned*.

prævertor, *attend to first*, is entirely deponent: **præverto**, *be beforehand with*, is very rare.

Present.	Perfect.	Supine.	Pres. Infinitive.	Stem.
vescor , <i>feed oneself</i>			vesci	vesc-
veto , <i>forbid</i>	vētūi	vētītum	vētāre	vēt-ē-

Persius has a perfect **vetāvi**.

video , <i>see</i>	vidi	visum	vidēre	vid-ē-
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videor, **visum**, **vidēri**, very common in sense of *seem*.

vleo , <i>plait</i> (twigs, &c.)		vletum	vlēre	vl-ē-
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part. **vlētus** (Ter. Lucr., but **vlētus**, Hor.), *sbrivelled*.

vincio , <i>bind</i>	vinxi	vinctum	vincire	vinc-i-
vinco , <i>conquer</i>	vici	victum	vincere	vic-
viso , <i>visit</i>	visi		visere	vis-
vivo , <i>live</i>	vixi	victum	vivere	vigv-
ulciscor , <i>avenge oneself on, avenge</i>		ultum	ulcisci	ulo-
ungo , {			{ ungere	
ungvo , { <i>grease</i>	unxi	unctum	{ ungvere	ungv-
volo , <i>will</i>	völui		velle	völ-

So its compounds **nōlo**, **mālo**; see Ch. XXVIII.

volvo , <i>roll</i>	volvi	völūtum	volvēre	volv-
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Sometimes **volui** in Augustan poets.

vōmo , <i>vomit</i>	vōmui	vōmītum	vōmēre	vōm-
vōveo , <i>vow</i>	vōvi	vōtum	vōvēre	vōv-ē-
urgeo , <i>push, press</i>	urxi		urgere	urg-ē-
ūro , <i>burn</i>	ussi	ustum	ūrere	ūs-

Combūro, **combussj**, **combustum**, **combūrere**, is a compound of **com** with an older form **buro**, seen in **bustum**, *tomb*.

Other compounds (**exūro**, &c.) follow the usual form.

ūtor , <i>avail oneself, make use</i>		ūsum	ūti	ūt-
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The following verbs also have no perfect or supine.

739

(1) e- verbs:

<i>ægreo, be sick</i>	<i>frondeo, be in leaf</i>	<i>polleo, be powerful</i>
<i>albeo, be white</i>	<i>hæbeo, be blunt</i>	<i>renideo, shine</i>
<i>āveo, be greedy</i>	<i>lacteo, be a suckling, have milk</i>	<i>scāteo, bubble forth</i>
<i>calveo, be bald</i>	<i>liveo, be bluish pale</i>	<i>splendeo, be bright</i>
<i>cāneo, be hoary</i>	<i>māceo, be lean</i>	<i>squāleo, be rough</i>
<i>flāveo, be yellow</i>	<i>mæreo, grieve</i>	<i>tābeo, waste away</i>
<i>foeteo, stink</i>	<i>mūceo, be mouldy</i>	<i>ūmeo, be wet</i>

(2) i- verbs:

<i>cæcutio, be blind</i>	<i>prūrio, itch for</i>	<i>ineptio, be silly desideratives</i>
<i>dementio, rave</i>	<i>singultio, sob</i>	<i>cenatūrio, have an appetite</i>
<i>glocio, cluck</i>		<i>emptūrio, wish to buy</i>
		<i>partūrio, be in labour</i>

BOOK III.
WORD-FORMATION.

BOOK III¹.

WORD-FORMATION.

CHAPTER I.

ELEMENTS OF WORD-FORMATION.

WORDS are formed either directly from roots or from other words. The elements of formation are four: *reduplication, internal change, addition of suffixes, combination of two or more words into one*. Two or more of these modes of formation may be called into use in forming a word; and especially, almost all words, whatever other change the root may have undergone, exhibit some suffix or other. 740

i. *Reduplication* is the repetition of the root syllable, either to express repeated action or simply to give additional emphasis to the root. In Latin there appear but few instances of reduplication. The following are probably such: 741

1. Reduplication of a closed syllable:

bar-bar-us, *foreign* (from βάρβαρος); **car-cer** (n.), *a prison, a barrier* (for the vowel cf. § 204. 2); **cin-cin-nus**, *a curl* (comp. κίκιννος); **cur-cūl-lo**, *a weevil* (for the change of liquid cf. § 185. 2); **fur-fur** (m.), *bran*; **gur-gūl-lo**, *the windpipe* (cf. § 852); **marmor** (n.), *marble*; **mur-mur** (n.), *a murmur* (comp. μορμύρειν); **quisquis**, *whosoever*; **tin-tin-nāre**, *to tinkle* (cf. § 646); **tur-tur** (m. f.), *a dove*; **ūl-ūl-a**, *a screech-owl*; **ūl-ūl-are**, *to howl, wail* (comp. ὀλ-ολ-ύειν). Similarly **per-per-am** (adv.), *badly* (§ 526).

2. Reduplication of an open syllable; or rather, of the initial consonant, with a vowel appended:

bī-bēre, *to drink*; **cī-cāda**, *a grasshopper*; **cī-cātrix** (f.), *a scar*; **cī-cer** (n.), *chickpease*; **cī-cōnia**, *a stork*; **cī-cūr**, *tame*; **cī-cūta**, *hemlock*; **cōcus** (qvoqvus), *a cook*; **cū-cūlus**, *a cuckoo* (comp. κόκκυξ); **cū-cūmis** (m.), *a cucumber*; **cū-curbita**, *a gourd*; **jē-jūnus**, *fasting*;

¹ In this book much use has been made of the lists in Leo Meyer's *Vergleich. Gram.* (1861—1865) especially the second volume. Corresponding Greek words have been usually taken from Curtius (see above, p. 24 n.).

mamma, a breast; **mē-mor**, mindful; **pā-pāver** (n.), a poppy; **pā-pilla** (diminutive of an assumed **papa**), a teat; **pī-pīre**, to chirp; **pō-pūlus**, a people; **qvi-sqvillā**, refuse (comp. *κο-σκυλ-μάτια*, and for the omission of **s** § 193); **sū-surrus**, a whisper (comp. *σῦρίξ* ν); **tī-tillare**, to tickle; **tī-tūbare**, to stumble.

For the use of reduplication to form the *present* stem of verbs see § 628; and to form the *perfect* stem, § 665 sqq.

ii. *Internal change* is frequently found accompanying the addition of suffixes, or composition, but is then due mainly to the consequent shifting of the accent, or to the influence of neighbouring consonants. The usual changes have been set forth in Book I. There appear to be but few instances in Latin, in which there is clear evidence of internal change being employed as the main element in the formation of a word. Compare however, e.g. **tōga** with **tēg-āre**; **sēd-es** with **sēd-āre**; **fīdes** with **fīd-ēre**; **prōc-us** with **prōc-ari** (§§ 233. 1, 234. 5, &c.); **dūc-ere** with **dūc-** (**dux**); **dīcere** with **malēdīcus**, &c.; **vōc-**, nom. **vox**, with **vōc-are**. For the change of vowel in forming the perfect tense see § 668.

But if, as is probable, the primary form of roots admits of short vowels only, then all instances of (apparent) roots with long vowels fall under this head (unless the long vowel is a compensation for omitted consonants); e.g. **lux**, **pax**, &c., **scribere**, **lūdere**, &c.

iii. *Suffixes* are of three kinds: (1) Suffixes of inflexion, (2) stem- 742
suffixes (included under *inflexions* in Book II.), (3) derivative suffixes.

(1) *Suffixes of inflexion* are those which are employed to form the several cases and numbers of nouns, and the persons, moods, tenses, voice, &c. of verbs.

(2) *Stem-suffixes* are those which form the distinguishing marks of the several declensions of nouns, and the several conjugations (or classes) of verbs. In nouns of the first class they are **a**, **e**, **o**; in nouns of the second class **u**, **i** or **e**; in verbs **a**, **u**, **e**, **i**. A large class of nouns, and the most primitive verbs, have no stem-suffix.

The application of the stem-suffixes in Latin nouns coincides to a large extent with the distinction of gender: in verbs it coincides, at least as regards the **a** and **e** stems, to a noticeable degree with the distinction of transitive and intransitive action. The absence of a stem-suffix in many nouns is the result of the shifting of the accent, and consequent slurring of the end of the word, the consonant stem being thus reduced by one syllable from what was, or would otherwise have been, their full form (with a stem-suffix); e.g. **præceps** for **præcipita**, &c. In other nouns of the same class (consonant stems) there appears to be no clear ground for assuming the previous existence of a stem-suffix. (A similar loss or weaken-

ing of the stem-suffix is held by Corssen¹ to have occurred in the consonant verbs, *regis, regit, regere, &c.*, being properly divided *regi-s, regi-t, regē-re, &c.* for earlier *raga-sa, raga-ta, &c.*)

Many noun-stems and many verb-stems are apparently formed directly from the root by the addition of these stem-suffixes. In some a reduplication or an internal change, especially of the vowel, occurs also. The formation of one word, compound or simple, from another is often effected by the substitution of the stem-suffix appropriate to one part of speech for that appropriate to another.

Words of simple form which contain no known derivative suffix are presumably formed in this way directly from the root. Instances may be collected from the lists given in this book.

The following are *examples* of the formation of nouns from 744 roots or from other words by the addition or substitution of no other than a stem-suffix. The majority of verbs are so formed (see Chap. x.).

A. *advēna, a stranger* (*adveni-re*); *convīva, a guest* (*conviv-ēre*); *funda, a sling* (*fund-ēre*); *mōla, a mill* (*mōl-ēre*); *scriba, a clerk* (*scrib-ēre*); *tōga, a cloak* (*tōg-ēre*); *trāha, a sledge* (*trāh-ēre*).

O. *ahenobarbus, bronze-beard* (*barba-*); *condus, a store-keeper* (*cond-ēre*); *cōqvus, a cook* (*cōqv-ēre*); *fīdus, trusty* (*fīd-ēre, fīde-s*); *jūgum, a yoke* (*comp. jungēre*); *mergus, a diver* (*merg-ēre*); *nescius, ignorant* (*nesci-re*); *prōfūgus, deserting* (*prōfūgē-re*); *prōmus, a butler* (*prōm-ērē*); *rōgus, a funeral pile* (*rēg-ēre, comp. erīgēre, to erect*); *sōnus, a sound* (*sōn-ēre and sōnāre*).

U. *ācus, a needle* (*āc-, comp. āc-u-ēre*); *currus, a chariot* (*curr-ēre*); *dōmus, a house* (*comp. δέμ-ειν, to build, dōmāre, to tame*).

I (or E). *abnormis, abnormal* (*norma-*); *bilingvis, two-tongued* (*lingva*); *nūbes, a cloud* (*nūb-ēre, to cover, comp. νέφ-ος*); *rūpes, a rock* (*rump-ēre, to break*); *sēdes, a seat* (*sēd-ēre*); *vēhes, a cartload* (*vēh-ēre*).

[Without stem-suffix. *dux, a leader* (*dūc- comp. dūc-ēre*); *incus, an anvil* (*incūd-ēre*); *obex, a bolt* (*obicē-re*); *plānipes, flatfooted* (*pēd-*).]

(3) *Derivative suffixes* are those additions (not being recognisable roots) which are interposed between the root and the stem-suffix; or, when there is no stem-suffix, between the root and the suffix of inflexion. If they are themselves recognisable as roots, the formation of the word belongs to the sphere of

(iv) *Composition* (which is treated of in Chapter XI.).

Interjections, some of which are words, some mere natural sounds, will be enumerated in the last Chapter.

¹ *Aussprache*, II. 50, foll. ed. 2.

CHAPTER II.

DERIVATIVE SUFFIXES.

DERIVATIVE suffixes may originally have been words, but are ⁷⁴⁵ now merely sounds or combinations of sounds which have no separate use or separate meaning, but modify the meaning of the word to which they are suffixed. The same suffix does not usually express precisely the same modifications, and different suffixes often seem to have the same effect: compare *-tūdōn*, *-tia*, *-tāt*, &c. Frequently indeed the use of a suffix may have proceeded from a fancied or imperfectly apprehended analogy; and the ending of a word, which is partly composed of stem-consonants or stem-vowels, and partly of a suffix, has been apparently taken for an entire suffix, and as such applied to other stems. Compare *montānus*, § 830, *montuosus*, § 814. Sometimes the sense of the suffix has been obscured, and a further suffix is added to realize what the former suffix once expressed; e.g. *puella* is diminutive of *puera*, but afterwards supplanted *puera* as the ordinary term for a girl, and thus *puellula* was formed for a *little* or *very young girl*.

A light vowel, *ö*, *ü*, *ë*, more frequently *i*, is often found between ⁷⁴⁶ the last consonant of the stem and the suffix. Its origin is not clear. Sometimes it appears to be part of the suffix; e.g. *-ëc* (*-ic*) in *sēnex*, *pūmex*, &c.; more frequently it appears to be the stem-suffix weakened; e.g. *candidus* from *cande-* (see the words given in § 816), *altitūdo* from *alto-*; sometimes it appears to owe its birth to analogy with other words; sometimes to a desire to ease the pronunciation, or avoid the destructive effect of contiguous consonants; or even to render possible the use of the word in verse. It is indeed possible that it may be an expression of the slight sound occasioned by opening the organs, in order fully to articulate the final consonant (cf. § 9).

It has most frequently been treated in the following lists as the weakened stem-suffix; but its occurrence in words formed from consonant stems is by no means unusual, and seems to conflict with this theory of its origin. If these consonant stems are the stunted remnants of forms which originally were vowel stems, this weakened vowel may be the relic of the fuller form. (So in French the

final *t* of the Latin 3rd pers. sing. is preserved only before a vowel; e.g. *a-t-il*, and its meaning lost to the popular consciousness). If otherwise, one of the other explanations must be resorted to.

The long vowel, found not uncommonly in the same part of 747 a derivative, is sometimes part of the suffix; e.g. *dum-ētum* for *dum-ec-tum*; sometimes due to contraction of the stem-suffix with a short initial vowel of the suffix; e.g. the suffix *-ino* appended to the stems *Roma-*, *divo-*, *tribu-*, *mar-*, *ēge-* gives *Romānus*, *divīnus*, *tribūnus*, *marīnus*, *egēnus*: the suffix *-ilis* appended to *ancōra-*, *tribu-*, *fide-*, *civi-* gives *ancorālis*, *tribūlis*, *fidēlis*, *civīlis*. Sometimes it is due to following a false analogy; e.g. *mont-ānus*, *anser-i-nus*, &c., *virgin-ālis*, *rēg-ālis*, &c.¹

In other respects the ordinary laws of consonant and vowel changes (given in Book I.) are observed.

In the following lists many words, which so far as our know- 748 ledge goes are primitive, are given along with the derivatives, partly because of the difficulty and consequently arbitrary nature of an attempt to separate them, partly because, as was said above, the ending of a primitive word appears sometimes to have been supposed to be a suffix, and consequently to have been applied as a suffix in the formation of other words. The word-endings therefore, under which the Latin words are here arranged, are not necessarily, though they are usually (except as regards a long initial vowel, cf. § 747), suffixes.

These suffixes are sometimes simple, i. e. consisting of a single vowel, or a single consonant with a vowel; sometimes compound, i. e. consisting of two consonants with one or two vowels. Compound suffixes are usually the result of adding a suffix to a stem which is itself a derivative; but sometimes the suffix, though originally compound, has come to be treated as if it were a simple suffix; e.g. *-uncūlo*: sometimes it may be really a word which has ceased to be used separately, and only appears now to be suffixal; e.g. *-ginta*, § 794, and perhaps *-gno*, *-mōnio*, *-cīnio*, &c.

The primary arrangement of noun-endings is according to the 749 consonant or vowel which immediately precedes either the stem-suffix, or, in consonant nouns, the suffix of inflexions. Subordinately to this, first come all word-endings which have the stem-suffix of nouns of the first class (*o* being used, for convenience sake, as inclusive of *a*); secondly, word-endings of the second class. The simplest endings, among which are those beginning with short vowels, are put first; then such compound endings as have a conso-

¹ Key, *Lat. Gr.* §§ 227. 232.

nant before the same short vowel; then simple endings with long vowels; lastly, compound endings with the same long vowel. The order of the consonants and vowels is the same as in Books I. and II.: the order of the words is alphabetical.

The lists are intended to be fairly complete, except in those classes of derivatives which contain too numerous instances to be conveniently or usefully given. Of these a full and typical selection is given. But the lists do not as a rule, though they do sometimes, contain,

- (1) Words found only in writers later than Suetonius.
- (2) Words only quoted by Nonius or Festus, or other grammarians, and some others of early or rare use.
- (3) Words (especially technical or scientific words), found only and seldom in Cato, Varro, Vitruvius, Celsus, Pliny the elder, Columella, Petronius. Many such are however given.
- (4) Compounds with prepositions, if the simple form is also found.
- (5) Words borrowed from the Greek.

CHAPTER III.

LABIAL NOUN-STEMS.

i. Stems ending in -po, -pl, -p.

-po 1. Adjectives: *crispus*, curling; *lippus*, blear-eyed; *obstipus*, 750 bent.

2. Substantives:

(a) Masculine: *capus*, a capon; *cippus*, a post or upright block; *lūpus*, a wolf (comp. *λύκος*, § 66); *napus*, a turnip; *pūpus*, a boy; *rumpus* (Varr.), a vine branch; *scāpus*, a stem (comp. *scōpæ*, *scīpio*, *σκήπ-τρον*); *scirpus*, a rush; *scrūpus*, a rough stone (*scrūpulus* more common); *stloppus*, a slap; *struppus*, a cord (from *στρόφος*?); *verpus*, a circumcised man.

pōpa, a sacrificing priest (i.e. *cōqva*, cf. § 118); *Agrippa*.

(b) Feminine: *alāpa*, a slap; *cōpa*, a barmaid (comp. *caupo*, *κάπηλος*); *culpa*, a fault; *cūpa*, a tub; *lappa*, a bur; *mappa* (a Punic word according to Quint.), a napkin; *nēpa*, a scorpion (African

word?); *pulpa*, fleshy substance; *pūpa*, a girl; *ripa*, a stream bank; *scōpæ* (pl.), twigs (see *scapus*); *sāpa*, must boiled down to a third (comp. ὀπός); *stuppa*, tow (comp. στυππεῖον); *talpa* (rarely m.), a mole; *vappa*, flat wine (comp. vāp-or, vāp-ldus); *vespa*, a wasp (comp. σφήξ).

(c) Neuter: *gausāpum*, a frieze cloth (cf. § 410); *palpum*, stroking (only found in acc. and abl.); *rapum*, a turnip.

-pho *lymp̄ha*, water (comp. νύμφη).

-pl *āpl̄s* (f.), a bee (comp. ἐμπίς, a gnat); *cāpe* (n.), an onion; *cōpl̄s*, plentiful (com. ὄp-; comp. inops); *pupp̄is* (f.), a ship's stern; *rūpes* (f.), a rock (rump-ēre); *sāpes* (f.), a budge (comp. σηκός, § 66); *stirps* (f.), a stock; *turpis*, foul; *volpes* (f.), a fox (comp. ἀλώπ-ηξ).

-p *ādeps* (m. f.), fat (comp. ἀλειφα, ointment, cf. § 174. 4); *daps* (f.), a banquet (comp. δάπτειν to devour, δαπάνη, δείπνον); *ops* (f.), help (comp. ἄφ-ενος); *stips*, a small gift in coin.

Compound stem-ending: only *pūlo*, § 860.

ii. Stems ending in -bo, -bl, -b.

-bo 1. Adjectives: *ācer-bus*, unripe, bitter (comp. ācerl, ācies, 751 &c.); *albus*, white; *balbus*, lisping; *gibbus*, humped (comp. κύπ-τειν); *orbus*, bereft (comp. ὀρφ-ανός); *prō-bus*, honest; *sūper-bus*, haughty (sūper).

2. Substantives:

(a) Masculine: *barbus*, a barbel; *bulbus*, a bulb (βολβός); *cībus*, food; *cōlumbus* (also *columba*, f.), a pigeon; *glōbus*, a ball; *limbus*, a border or fringe; *lumbus*, a loin; *mor-bus*, disease (mōr-1); *nimbus*, a rain-cloud (comp. νέφ-os, nūbes); *rūbus*, a bramble; *tūbus*, a pipe.

Galba (see Suet. *Galb.* 3; some compare Germ. *gelb*, yellow); *scrib-a*, a clerk (*scrib-ēre*, § 744).

(b) Feminine: *barba*, a beard; *fāba*, a bean; *glōba* or *glāba*, a sod; *herba*, grass (comp. *ferre*, φορβή, φέρειν, and § 134); *jūba*, a mane; *obba*, a beaker; *teba*, a bill (old Sabine word); *sorbus*, a service-tree; *tūba*, a trumpet (comp. *tūbus*); *turba*, a crowd (comp. *tur-ma*).

(c) Neuter: *libum*, a cake; *plumbum*, lead (comp. μόλυβδος); *sēbum*, fat; *sorbum*, a service-berry; *tābum*, corrupt matter; *verbum*, a word (comp. *Fer-*, ἐρεῖν, § 91).

- bi** *corbis* (m. f.), *a basket*; *lābes* (f.), *a spot* (comp. *λώβη*, ⁷⁵² *outrage*); *nūbes* (f.), *a cloud* (comp. *nēbūla*, *νέφ-ος*); *orbis* (m.), *a round*; *pālumbes* (m. f.), *a dove* (comp. *cōlumbus* and § 66); *plebs* (f.), *the common people* (comp. *plē-nus*, *pō-pūl-us*, *πλη-θύς*, &c.); *pūbes* (f.), *hair of commencing manhood*; *scōbis* (f.), *sawdust* (*scāb-ēre*); *scrōbis* (m. f.), *a ditch*; *tābes* (f. § 411), *decaying matter* (comp. *τῆ-κεῖν*); *urbs* (f.), *a city* (comp. *orbis*).
- b** *cælebs* (adj.), *unmarried*.

Compound stem-endings: *-bundo*, § 818; *-būlo*, *-būli*, *-tībūli*, §§ 861, 875, 876; *-bēro*, *-bēri*, §§ 886, 901; *-brīo*, § 941.

iii. Stems ending in *-mo*, *-mi*, *-m*.

-mo 1. Adjectives:

al-mus, *nourishing*, *kind* (*āl-ēre*); *firmus*, *firm*; *limus*, *sideways*, e.g. *limis oculis*, *out of the corners of the eyes* (for *lic-mus*: comp. *obliqvus*); *ōpmus*, *fat*, *rich*; *sīmus*, *flat-nosed*; *pātrīmus*, *having father living* (*patr-*); *matrīmus*, *having mother living* (*matr-*).

bīmus, *two years old*; *trīmus*, *quadrīmus* are probably compounds of *hīm-*, which appears uncontracted in *hiem-p-s*.

2. Substantives:

(a) Masculine: *ānī-mus*, *soul* (comp. *ἄνεμος*); *ar-mus*, *a shoulder joint* (*ἄρ-*, *δραρίσκειν*); *cālā-mus*, *a reed* (probably from *κάλαμος*); *culmus*, *a stalk*, *hawl*; *dūmus*, *a thicket* (for *dus-mus*; comp. *δασ-ύς*); *fīmus*, *dung*; *fū-mus*, *smoke* (cf. § 99. 6); *grūmus*, *a heap* (of dirt, &c.); *hāmus*, *a hook*; *lī-mus*, *slime* (for *lit-mus*; comp. *lī-n-ēre*); *mīmus*, *an imitator* (from *μῖμος*?); *nummus*, *a coin* (comp. *νόμος*); *rācēmus*, *a bunch of berries* (comp. *ράγ-*, *ράξ*); *rā-mus*, *a branch* (for *rad-mus*? comp. *rād-ix*, *ραδίνος*); *rē-mus*, *an ear* (comp. *ἐρετμόν*, § 193); *Rēmus*; *scalmus*, *a thole*, is borrowed from *σκαλμός*.

(b) Feminine: *dō-mus*, *a house* (comp. *δέμ-ειν*, *dōmī-nus*); *hūmus*, *the ground* (comp. *χαμαί*); *pōmus*, *a fruit-tree*; *ulmus*, *an elm*.

ānīma, *breath* (see *animus*); *brū-ma*, *winter solstice* (for *brēvī-ma*, sc. *dies*); *cōma*, *hair of head* (borrowed from *κόμη*); *damma*, *a bind*; *fā-ma*, *fame* (*fā-ri*); *flam-ma*, *flame* (for *flag-ma*; comp. *flag-rāre*); *forma*, *shape*; *gem-ma*, *a bud* (for *gen-ma*; comp. *gēn-ītūs*); *gluma*, *a husk* (*glūb-ēre*); *grō-ma*, *a surveyor's rod* (from *γνώμων*); *lācri-ma*, *a tear* (comp. *δακρυ-*); *lā-ma*, *a slough* (for *lac-ma*; comp.

lācus); *li-ma*, a file; *mamma*, a teat; *nor-ma*, a standard (perhaps from γνωριμῇ); *pal-ma*, the palm of hand (comp. παλάμη); *par-ma*, a light shield; *plūma*, a feather; *rīma*, a chink (comp. ric-tus); *Rō-ma*, stream-city? (comp. ru-o, riv-us, ῥεῦμα: so Cors., Curt.); *rūma*, a breast; *spū-ma*, foam (spu-ere); *squāma*, a scale of a fish, &c.; *strūma*, a tumour; *tama* (Lucil.), a swelling in the leg (tūmēre?); *-trā-ma*, a web; *tur-ma*, a troop (comp. tur-ba); *victi-ma*, a victim (victo-).

(c) Neuter: *arma* (pl.), arms (āp-, see above); *pōmum*, an apple, fruit; *vōlema* or *volæma* (pl.), a kind of pears.

-ūmo or -īmo. On the vowel preceding *m* see § 224. It may often ⁷⁵⁴ be that this vowel belongs to the stem, not to the suffix.

(a) Superlatives: *extrē-mus*, outmost (for extra-īmus); *i-mus*, inmost, at the bottom (for in-īmus); *inf-īmus*, lowest (inf-ēr, § 885); *mīn-īmus*, least (comp. mīn-ōs-); *plūr-īmus* (old ploirumus, § 264), most (for plo-lōs-īmus, plūr-īmus; with plo- comp. plē-rīque, πολ-ύς, πλε-ίων); *postrē-mus*, hindmost, last (for postera-īmus); *post-ūmus*, esp. last born, usually, one born after his father's death (post; but the *t* may be part of the suffix; cf. § 535); *prī-mus* (for pris-mus, for pri-os-īmus; comp. prior, pris-tinus, and § 193. 2; or directly from pri-, a locative form seen in pri-die; or for pro-īmus, comp. πρότερος, πρώτος); *prox-īmus*, nearest (prōque for prōpe? comp. namque and nempe, § 517); *sum-mus*, upmost (for sub-mus; comp. sub, sup-er); *suprē-mus*, highest (for supra-īmus). In Petron. § 75, *ipsimus*, *ipsima* for master, mistress (ipso-). So also the adv. *de-mum* (downmost), at length (de).

(b) Ordinal numbers: *dēcīmus*, tenth (for decim-īmus); *septī-mus*, seventh (for septim-īmus); *quōt-umus*, how manyth (quot; formed by Plautus in imitation of septimus); *nō-nus* is perhaps for *nōvīmīmus*, contracted *nōmus*, by assimilation of *m* to the initial *n*.

-iss-ūmo or -iss-īmo, for -lōs-umo; i. e. ūmo, suffixed to the stem of ⁷⁵⁵ the comparative. For the omission or absorption of the *ō* see §§ 214, 242. For the formation of the comparative § 917. The double *s* is due partly to the desire to indicate the length of the syllable (which moreover is accented), partly perhaps to preserve the sound of *s* sharp, instead of *s* flat or eventually *r* (cf. §§ 187, 191. 5. 6). For the ordinary explanation see the Preface.

alt-iss-ūmus, highest (alto-, altiōs-); *antiq-v-iss-īmus*, most ancient (antiqvo-, antiqvīōs-); *audāc-iss-īmus*, boldest (audāci-, audāciōs-); *bēnē-ficent-iss-īmus*, most benevolent (benefico-, beneficentiōs-, as if from a participial form); *dign-iss-īmus*, worthiest (digno-, digniōs-); *dūr-iss-īmus*, hardest (dūro-, duriōs-); *fēlic-issimus*, happiest (fēlici-, fēliciōs-); *fertil-iss-īmus*, most fertile (fertili-, fertiliōs-); *frugālissimus*, thriftiest (frugālīōs-, as if from frugālis, for which frūgi, § 1108, is used); *imbēcill-iss-īmus*, weakest (imbēcillo- and imbēcilli-, im-

bēcillīōs-); ips-issumus (Plaut.), *the very man* (ipso-); max-īmus, *greatest* (for mags-īmus from magis for magiōs-); ōc-iss-īmus, *swiftest* (ōciōs-, comp. ὀκύς); neqv-iss-īmus, *absolutely good for nothing* (neqvios- from nēqvam); pēnit-iss-īmus, *most inward* (pēnit-
tus, adv. but cf. Pl. *Asin.* 42); sēvēr-iss-īmus, *strictest* (sēvērō-, severiōs-); verbērābīl-issīmus (Plaut.), *most thrashable* (verberābīli-); and many others. See Appendix C.

l-ūmo }
r-ūmo } These suffixes are formed in the case of a few superlatives, where the final consonant of the simple adjective is l or r. Probably they are the result of a strong contraction, caused by the desire to avoid s following l or r (cf. § 193. 5. c). The double l or r may be the result of assimilation (§ 176. 5), or evidence of the length of the syllable (see last section). Possibly the apparent analogy of altus, altissimus, &c. may have led to acer, acerrimus, &c.

fācill-īmus, *easiest* (fācīli-, faciōs-). So also difficil-īmus; grācil-īmus, *thinnest* (grācīli-); hūmil-īmus, *lowliest* (hūmīli-); simil-īmus, *likest* (simīli-) and dissimillīmus.

ācer-rīmus, *sharpest* (acri-, acriōs- for acēriōs-); asper-rīmus, *roughest* (aspēro-, aspēriōs-); cāler-rīmus, *quickest* (cālēri-, cālēriōs-); crēber-rīmus, *most crowded* (crebro-, crebriōs- for creberiōs-); dēter-rīmus, *worst* (deteriōs-, no positive); sālūber-rīmus, *most healthful* (salubri-, salubriōs-); vēter-rīmus, *oldest* (veteriōs- from vētūs-). So also māturrīmus (oftener maturissimus), miser-rīmus, pulcer-rīmus, tēnerrīmus, tātterrīmus, vāferrīmus, and the adverb nūper-rīme, all from o stems; pauperrīmus, ūberrīmus, from consonant stems.

-t-ūmo }
-t-īmo } (a) sēdī-tūmus (comp. seditus, § 992, and Varr. *R. R.* 757
1. 2; Gell. 12. 10), *a sacristan* (sēdī-); finī-tīmus, *on the borders* (finī-); lēg-ī-tīmus, *lawful* (lēg-); mārī-tīmus, *by the sea* (mārī-).

(b) Superlatives:

cī-tīmus, *nearest here* (cī-s; comp. ob-s, ul-s); dex-tīmus, *on the extreme right* (comp. dex-ter, δεξιá, δεξιτέρος); ex-tīmus, *outmost* (ex); in-tīmus, *inmost* (in); op-tīmus, *best* (lit. *overmost, upmost?* ob-s; comp. ἐπί); pes-sīmus, *worst* (lit. *bottom-most?* pēd-; or from the stem of pessum?); sinis-tīmus, *on the extreme left* (only with auspiciūm; comp. sinis-ter); ul-tīmus, *furthest, last* (ul-s).

sollistimum, only found with tripudium, is by some translated *perfect*, and derived from sollus (Oscan for totus), i.e. sōlus.

(c) Ordinal numbers from 20th to 90th inclusive. The initial t of the suffix forms with the final t of the stem of the cardinal ss, of which one s was omitted; and in post-Augustan times the pre-

ceding *n* was omitted (see § 168). Both the *c* and *e* of the ordinal are earlier sounds than the *g* and *i* of the cardinal. (Cf. §§ 104, 234).

vicens-tūmus, *vicēsīmus*, *vīgēsīmus* (all found), *twentieth* (for *vicentī-tūmus*; comp. *viginti*, *vicies*, and § 28. 2); *tricens-umus*, &c. *thirtieth* (*triginta*); *quadrāgēs-imus*, *fortieth* (*quadrāgintā*). So also *qvinqvāgēsīmus*, *sexāgēsīmus*, *septuāgēsīmus*, *octōgēsīmus*, *nōnāgēsīmus*, and perhaps *centes-imus*, *hundredth*, for *centum-tūmus*, *centuntimus*, *cententimus* (comp. e.g. *regendum* for *regundum*).

-ēs-ūmo Ordinal numbers from 200th upwards to 1000th inclusive. 758
The first part of this suffix is due to the mistaken notion that in the lower numbers *ēs* was part of the suffix, instead of (as it really was) the representative of the last part of the cardinal. It is possible that *centēsīmus*, which no doubt formed the immediate pattern for the higher numbers, may itself be a product of this false analogy.

ducent-ēs-imus, *two hundredth* (*ducentī-*); *trecentēsīmus*, *three hundredth* (*trecentī-*); *quadrīngent-ēsīmus*, *four hundredth* (*quadrīngentī-*). So also *qvinqvāgēsīmus*, *sexcentēsīmus*, *septīngentēsīmus*, *octīngentēsīmus*, *nongentēsīmus*, *mill-ēsīmus*, *thousandth* (*mille*), and (in *Lucr.*) *multēsīmus*, *many-th* (*multo-*).

-mī *fāmes*, *hunger* (cf. § 99). Comp. also *cūcūmis*, *cōmis*, 759
rumis, *vermis*, &c. § 412.

-m *hiemps*, *winter* (cf. § 134, and for the *p* § 70).

Compound stem-endings: *-mento*, *-mēt*, §§ 792, 806; *-mīno*, *-mēn*, §§ 825, 850; *-mnio*, § 934; *-mōnio*, § 935.

iv. Stems ending in -vo, -uo, -vi.

-vo is found after vowels, or *l* or *r*; **-uo** after other consonants 760
(*p*, *b*; *c*, *g*; *t*, *d*, *n*; also *tr*).

-vo 1. Adjectives:

arvus (rare), *ploughed* (see *arvum*, § 761 c); *cāvus*, *holloaw* 761
(comp. *cælum*, *κοῖλος*); *calvus*, *bald*; *cur-vus*, *curved* (comp. *circus*, *κυρ-τός*, *κυλ-λός*); *flāvus*, *golden in colour*; *fulvus*, *tawny* (comp. *fulgere*); *furvus*, *brown*, *dusky* (comp. *fus-cus*, *φρύνη*); *gilvus*, *dun* (comp. *helvus*); *gnāvus*, *knowing* (comp. *gnārus*, *gnoscere*); *helvus*, *yellow* (comp. *χλό-η*, *χλω-ρός*); *lāvus*, *on left-hand* (comp. *λαιός*); *pōvus*, *new* (comp. *νέος*); *parvus*, *small* (comp. *par-cus*, *παῦρος*); *prāvus*, *wrong*; *prī-vus*, *single*, *one's own* (lit. *standing forward*; comp. *prī-mus*, § 754); *prōtervus*, *frolicsome*; *rāvus*, *gray*, *hoarse*; *sāvus*, *raging*; *salvus*, *safe* (comp. *οὔλος*, *ὄλος*, *sōlus*); *scāvus*, *on the left hand* (comp. *σκαίός*); *torvus*, *grim* (*torqvēre?*); *vīvus*, *living* (cf. § 129 c).

2. Substantives:

(a) Masculine: *ācervus*, a *heap*; *alvus* (m. f. § 336), the *belly*; *āvus*, a *grandfather*; *cervus* (*borned*; hence), a *stag* (comp. *κεραός*); *clāvus*, a *nail, helm*; *stripe* on dress (comp. *clavis*, § 765); *clivus*, a *slope* (comp. *in-cli-nare*, *κλίνω*); *corvus*, a *raven* (comp. *cornix*, *κόραξ*); *divus* (*diva*, also *deus, dea*, and (Lucr. 4. 211) *sub diū*), a *god, goddess*; *fāvus*, a *boneycomb cell*; *milvus* (§ 762. 2 a); *nævus*, a *mole* on the body, a *birthmark* (*gi-gen-o*, comp. *gnaivos*); *nervus*, a *sineaw, a cord* (comp. *νεῦρον*); *rivus*, a *stream* (comp. *ρεῖν*, fut. *ρεύσειν*); *servus* (also adj. and *serva*, f.), a *slave* (*sērēre*, *join*).

Nerva, a family name.

(b) Feminine: *calva*, a *skull, or bald head*; *cāterva*, a *crowd*; *clāva*, a *club*; *gingīva*, the *gum* of the teeth; *larva* (§ 762. 2 b); *Mīnerva* (old *Menerva*); *malva*, the *mallozw* (comp. *μαλάχη*, Hesiod); *ōlīva* (also *ōlea*), *olive* (comp. *ἐλαιος*); *silva*, a *wood* (comp. *ῥλη*); *stīva*, a *plough handle*; *valva*, a *folding-door*; *ulva*, *sedge*; *volva*, the *womb*; *ūva*, a *grape*.

(c) Neuter: *sævum*, an *age* (comp. *αἰών*, § 91); *arvum*, a *field* (comp. *arvus*, § 761, *ār-āre*, *ἀρόω*, *plough*); *ervum*, *bitter vetch* (comp. *ὄροβος*); *ōvum*, an *egg* (comp. *ὠόν*, § 91); *urvum*, a *plough-tail* (comp. *curvus* and § 121. 3).

-uo 1. Adjectives:

(a) from verb stems: *ambīg-uus*, on both sides, *ambiguous* (*amb-īg-ēre*); *assīd-uus*, *constant* (*adsīd-ēre*); *cæd-uus* (of a wood), for *cutting* (*cæd-ēre*); *congru-uus*, *suitable* (*congru-ēre*); *contīg-uus*, *touching* (*contīg-ēre*); *contīn-uus*, *continuous* (*contīnēre*); *dēcīd-uus*, *falling* (*dēcīd-ēre*); *dīvīd-uus*, *parted* (*dīvīd-ēre*); *exīg-uus*, *small*, orig. *precise* (*exīg-ēre*); *ingēn-uus*, *free-born* (*ingīgn-ēre*); *innōc-uus*, *harmless* (*īn, nōc-ēre*); *mūt-uus*, *by way of change* (*mūtā-re*); *ocīd-uus*, *falling*: hence, from the sun, *western* (*ocīd-ēre*); *pasc-uus*, (of land) for *grazing* (*pasc-ēre*); *perpēt-uus*, *uninterrupted* (*perpēt-ere*); *præcīp-uus*, *taken in front*, i.e. *chief* (*præcīp-ēre*); *prōcīd-uus* (post-Aug.), *falling forward* (*prōcīd-ēre*); *promisc-uus* (also *promiscus*), *mixed* (*promiscēre*); *relic-uus* (also *relicus*, § 160. 7), *left behind, remaining* (*relinqv-ēre*); *rēsīd-uus*, *sunk to the bottom* like dregs, *left unused* (*rēsīd-ēre*); *rīg-uus*, *irrig-uus*, *irrigated* (*rīgā-re*); *succīd-uus* (not *præ-Aug.*), *sinking* (*succīd-ēre*); *vāc-uus* (§ 94. 2), *empty* (*vācā-re*); and others.

(b) from substantives, or of obscure origin: *ann-uus*, for a *year* (*anno-*); *ard-uus*, *lofty* (comp. *ὀρθός*); *cern-uus*, *headlong* (comp. *κραν-ίον*); *fātuus*, *foolish*; *menstr-uus*, *monthly* (*mens-tr-ī-* from *mens-*; cf. § 904); *mort-uus*, *dead* (*mortī-*); *strēn-uus*, *active*; *suus*, *his own*; *tuus*, *your*; *vīd-uus*, *widowed* (comp. *dī-vīd-ēre*; Germ. *wittawe*, Engl. *widow*).

2. Substantives:

(a) Masculine: *carduus*, a thistle; *lituus*, an augur's crook; *miluus* (§ 94. 2), a kite; *patr-uus*, a father's brother (*patr-*).

(b) Feminine: *bēlua*, a beast; *jān-ua*, a gate (*jano-*); *lārua* (§ 94. 2), a ghost, a mask; *noct-ua*, an owl (*nocti-*); *stāt-ua*, a statue (*stātu-*); *trua*, a spoon.

(c) Neuter: *februa* (pl.), purgatives (*febri-*).

-i-vo (For some words where the i is apparently radical 763 see § 761).

1. Adjectives:

æst-ivus, of summer (*æstu-*, heat); *adopt-ivus*, taken by choice (*adoptā-re*); *cād-ivus* (Plin.), falling (*cād-ēre*); *internēc-ivus*, destructive (*internēc-ā-re*); *lasc-ivus*, playful; *nēc-ivus* (Phædr., Plin., but *nēcūus*, Ov.), hurtful (*nēcēre*); *rēcīd-ivus*, restored (*rēcīd-ēre*); *rēdīvīvus*, a builder's term for old material; *sēment-ivus*, for sowing (*sēmentī-*); *subsc-ivus*, cut off, spare (*subscō-āre*); *tempest-ivus*, seasonable (*tempos-*; either the t is due to a false analogy with *æstivus*, or the word may be shortened for *tempestātivus*); *vēc-ivus* (or *vāc-ivus*), early form for *vācuus* (*vācā-re*).

2. Substantives: *Grādīvus* (once *Grādivus*), a name of Mars; *sāl-iva*, spittle (*sal*, salt).

-t-ivo i.e. -ivo, appended to the stem of the past participle. 764 (Only *passivus* exhibits the s, and that is not earlier than Appuleius).

1. Adjectives:

(a) General: *ac-t-ivus*, active, practical (*āgēre*); *adoptivus*, adoptive (comp. *adoptāre*, frequentative in form); *cap-t-ivus*, captured (*capē-re*); *collec-tivus* (post-Aug.), collected (*collīg-ēre*); *condī-tivus*, stored (*cond-ēre*); *fes-tivus*, gay, handsome (*festō-*); *fūgī-t-ivus*, run-away (*fugē-re*); *fur-t-ivus*, stolen (comp. *fūrā-ri*); *insī-t-ivus*, grafted (*insērēre*); *instaurā-t-ivus* (Cic.), renewed (*instaurāre*); *lūcrā-t-ivus*, counted as gain (*lucrā-ri*); *nā-t-ivus*, born, self-grown (*na-sc-i-*); *prærögā-t-ivus*, first-asked (*prærög-āre*); *sā-t-ivus*, for sowing (*sē-rēre*); *stā-t-ivus*, stationary (*stare*); *sec-t-ivus* (Col., Plin.), split (*sēcāre*); *subdī-t-ivus*, supposititious (*sub-dēre*); *vō-t-ivus*, vowed (*vō-verē*); and others little used.

(b) Technical terms in rhetoric, grammar, &c.: *defīnī-tivus*, explanatory (*defīnīre*); *demonstrā-tivus*, expository (*demonstrā-re*); *hortā-tivus*, hortatory (*hortā-ri*); *laudā-tivus*, laudatory (*laudā-re*); *rātiōcīnā-tivus*, of reasoning (*rātiōcīnā-ri*); *translā-tivus*, transferred (*translāto-*); and others. Similarly in grammar (in Quintilian),

ablātivus, accusātivus, gēnētivus, dātivus, nōminātivus, possessivus, rēlātivus; and others in later writers.

2. Substantives: dōnativum (post-Aug.), *a largess* (dōnā-re).

- vi āvis (f.), *a bird*; brēvis, *short* (comp. βραχύς, § 129); ⁷⁶⁵
 civis (m.), *a citizen* (comp. qvī-es, κεί-μαι, Curt.).
 clāvis (f.), *a key* (comp. claudēre, κλείς, κληίς); grāvis, *heavy* (comp. βαρύς, as glans with βάλανος); lēvis, *light* (comp. ἐλαχύς, § 129);
 nāvis (f.), *a ship* (comp. ναῦς); nīv- (nom. nīx., f.; cf. § 129. 2 c);
 snow (comp. νιφ-ετός); pelvis (f.), *a basin*; rāvis (f.), *hoarseness*
 (comp. rau-cus); svā-vis, *sweet* (comp. svād-us, ἡδ-ύς); tēnvis, *thin*
 (comp. ten-dēre, tēn-er, ταναός).
- ui grus (f.), *a crane* (comp. γέρανος); lues (f.), *pestilence*
 (comp. λοιμός); strues (f.), *a heap* (comp. stru-ere, ster-
 nēre); sus (m. f.), *a pig* (comp. ūs).

v. Stems ending in -fo.

offa, *a morsel*; rūfus, *red*; scrōfa, *a sow*; tōfus, *tufa stone*. 766

CHAPTER IV.

GUTTURAL NOUN-STEMS.

i. Stems ending¹ in -co, -qvo; -cu, -ci, -qvi; -c, -qv.

1. Stems ending in -co, -qvo.

-co 1. Adjectives:

aeqvus, *level*; averruncus, *averting*; caecus, *blind*; cascus, ⁷⁶⁷
old; cōruscus, *flashing*; flaccus, *flabby*; fuscus, *dark coloured*; lus-
 cus, *one-eyed*; mancus, *maimed*; parcus, *thrifty*; paucus, *few* (comp.
 παῦ-ρος); Plancus (plano-?); priscus, *ancient* (prius); raucus (for
 rāvicus), *hoarse* (rāvi-); rēciprōcus, *backwards and forwards* (rē-
 co, prō-co, derivatives of re and pro; Key, *Essays*, p. 74 sq.); siccus,

¹ On suffixes with -c see Key, *Philol. Soc. Trans.* for 1856.

dry (for *siti-cus* from *sitis*, *thirst?*); *spurcus*, *dirty*; *truncus*, *lopped*; *vescus*, *small*.

2. Substantives:

(a) Masculine: *ābācus*, a *board* (comp. ἄβαξ); *arcus* (*arqvus*), a *bow* (see § 395); *circus*, a *ring* (*κρίκος*); *cōcus* (*coqvus*), a *cook*; *ēcus* (*eqvus*), a *horse* (comp. ἵππος, § 118); *fiscus*, a *basket*; *flocus*, a *flock of wool*; *fōcus*, a *hearth*; *fūcus* (1), *seaweed* (comp. φῦκος, Hom.); (2) a *drone*; *hircus*, a *goat*; *jōcus*, a *joke*; *juncus*, a *bulrush*; *jūven-cus*, a *bullock* (*jūven-*); *lācus*, a *pool* (cf. §§ 395, 776); *lōcus*, a *place*; *lūcus*, a *grove*; *maccus*, a *clown* (comp. μακκοῦν, to *moan*); *Marcus*, *hammer?* a Roman *prænomen*; *mūcus*, *snot* (comp. mungēre); *pīcus*, a *woodpecker*; *porcus*, a *pig*; *prōcus*, a *suitor* (comp. prēcā-ri); *saccus*, a *bag* (comp. σάκκος); *soccus*, a *slipper*; *sūcus*, *juice* (comp. ὀπός, § 107); *sulcus*, a *furrow* (comp. ὄλκος, ἔλκειν); *truncus*, a *lopt stem* (see above); *vīcus*, a *street* (comp. οἶκος); *vopiscus* (see Plin. 7. 10, § 8).

Roman family names: *Murcus*; *Casca* (comp. *cascus*, *old*); *Sē-nēca* (*sēnēc-*, *old*); *Tucca*.

(b) Feminine: *ficus*, a *fig-tree*; *ruscus* (or *ruscum*, n.?) *butcher's broom*.

āqva, *water*; *arca*, a *chest* (comp. arcēre, ἀρκεῖν); *bīca*, a *berry*; *braccæ* (pl.), *breeches*; *bucca*, a *cheek*; *esca*, *food* (*ēd-*, *ēdēre*, *esse*, to *eat*); *furca*, a *fork*; *jūvenca*, a *heifer* (see above); *labrusca*, a *wild vine*; *mārisca*, a *kind of fig*; *mīca*, a *grain*; *mollusca*, a *soft nut* (*moll-*); *musca*, a *fly* (comp. μυῖα for μυρία?); *orca*, a *whale*, a *tun*; *Parcæ* (pl.), *Fates* (from *par-ti-*, the *apportioners?* comp. μοῖραι, μέρος: or eulogistic from *parc-ēre*, to *spare?*); *porca*, (1) a *furrow*; (2) a *farrow*, i. e. a *sow* (cf. Key, *Essays*, p. 95); *posca*, an *acid drink*; *rica*, a *woman's veil*; *sica*, a *dagger*; *spica*, an *ear of corn*; *trīcæ* (pl.), *trifles*; *vacca*, a *cow*.

(c) Neuter: *molluscum*, a *fungus* (*moll-*); *naucum* (?), a *trifle* (?); *tesca* (*tesqva*, pl.), *waste places*; *viscum*, *mistletoe* (comp. ἰξός).

1-co i. e. (usually) **-co**, suffixed to vowel stems.

1. Adjectives: *Afri-cus*, of the *Afri* (*Afro-*); *belli-cus*, 768 of *war* (*bello-*); *cīvi-cus*, of a *citizen* (*cīvi-*); *classi-cus*, of a *class*, esp. the *fleet* (*classi-*); *Crēti-cus*, of *Crete* (*Crēta-*); *dōmīni-cus*, of a *master* (*dōmīno-*); *fullōn-icus*, of a *fuller* (*fullōn-*); *Germāni-cus*, of *Germans* (*Germāno-*); *lubricus*, *slippery*; *mangōn-icus* (Plin., Suet.), of a *dealer* (*mangōn-*); *mēdi-cus*, of *healing* (*mēdē-*, *mēdēri*); *mōdi-cus*, *moderate* (*mōdo-*); *publi-cus*, *public* (*pōpūlo-*, cf. § 69); *sonti-cus*, *dangerous* (*sonti-*, *guilty*); *tētri-cus*, *rough* (comp. tātro-?); *vāricus* (Ov.), *straddling* (*vāro-*); *ūni-cus*, *single* (*ūno-*); *urbi-cus*, of the *city* (*urbi-*).

Common in Greek words; e.g. *cōmicus*, *grammāticus*, *poēticus*, &c.

2. Substantives:

(a) Masculine: **vīlī-cus** (**vīlīca**), *a farm steward* (**vīlla-**).

(b) Feminine: **ālica** (**halīca**), *spelt*; **brassīca**, *cabbage*; **fabrī-ca**, *a manufacture* (**fabro-**); **fōrīcæ** (pl.), see Juv. 3. 38; **fūlīca** (**fulix**), *a coot*; **mānī-cæ** (pl.), *gloves, handcuffs* (**mānu-**); **pēd-īca**, *a snare* (**pēd-**, *foot*); **ridīca**, *a vineprop*; **sīlīqva**, *a pod*; **sublīca**, *a pile for a bridge, &c.*; **tūnīca**, *a shirt*; **vōmī-ca**, *a running abscess* (**vōmēre**, cf. § 698).

(c) **toxicum**, *poison*, orig. for smearing arrows (τόξον).

-tī-co i. e. **-co** added to real or presumed adjectives in **-to**. 769

1. Adjectives: **dōmesticus**, *of home* (**dōmo-**; comp. **mōdestus**, § 789; **agrestis**, § 808); **Līgus-ticus**, *of the Ligurians* (**Līgus-**); **rus-ticus**, *of the country* (**rūs-**).

2. Substantives: **can-tīcum**, *a song* (**can-to-**, **cānēre**); **man-tīca**, *a bag*; **pertīca**, *a pole*; **scūtīca**, *a whip* (comp. **scūtum**, *a leather shield*); **trī-ticum** (*threshed*) *wheat, corn* (**trī-to-**, **tērēre**).

-ātī-co 1. Adjectives: **āquātīcus**, *living in or near water* (**āqua-**); 770
errātīcus, *wandering* (**errāre**); **fānātīcus**, *inspired* (**fāno-**); **lymphātīcus**, *of the frenzied* (**lymphāto-**, **lympa-**); **sīlvātīcus**, *of a wood* (**sīlva-**); **vēnātīcus**, *for hunting* (**vēnāri-**); **umbrātīcus**, *of the shade* (**umbra-**); **vōlātīcus**, *winged* (**vōlā-re**, *to fly*).

2. Substantives: **viātīcum**, *journey-supplies* (**via-**; comp. **viātor**).

-īl-co } 1. Adjectives: **fāmē-licus**, *starving* (**fāmē-**); **hiu-licus**, 771
-lco } *gaping* (**hiā-re**; cf. § 204. 2c); **pētū-licus**, *frolicsome*
(**pēt-ēre**, cf. § 657, and comp. **pētūl-ans**).

2. Substantives: **būbul-cus**, *an ox-tender, i.e. a ploughman* (**bōv-** whence **būbūlus**, cf. § 76. 2); **sub-ulcus**, *a swineherd* (**su-** for **sōv-**? or perhaps the word is simply formed in imitation of **bubulcus**); **rēmūlcum** (only in abl. s.), *a towrope* (probably from Greek; comp. **ῥυμουλκεῖν**, Polyb.).

-rī-co }
-r-co } **vitricus**, *a stepfather*; **nōverca**, *a stepmother* (**nōvo-**;
comp. **νέος**, **νεαρός**).

-īn-qvo }
-īqvo } Adjectives: **ant-īqvus**, *ancient* (for **antīnqvus**? from 772
ante, but cf. § 774); **long-īnqvus**, *distant* (**longo-**); **prōp-īnqvus**, *near* (**prōpe**).

(In **oblīqvus** the **q** is radical; comp. **līc-īnus**, **λέχ-ριος**).

-āco **mēr-acus**, *pure* (of wine without water; **mēro-**); **ōp-** 773
acus, *shady*; **clo-aca**, *a sewer* (**cluere** old = **purgare**: comp. **κλύ-ζειν**).

-ūco *ær-uca, verdigris (æs-); cād-ucus, falling (cād-ēre); car-ruca, a carriage; ēruca, a caterpillar, colewort; festuca, a stalk; fistuca, a pile-driver; lact-uca, a lettuce (lacti-); mand-ucus, a chewer (mand-ēre); mastruca (Sardinian), a sheepskin; sabucus (sambucus), f., elder-tree; verruca, a wart.*

-īco The **ī** seems to be at least in some cases the result of con- 774 traction with a final vowel; e.g. = **oi, ei, &c.**

1. Adjectives: *ām-icus, friendly (amā-re); ant-icus, in front (ante); āpr-icus, sunny; mend-icus, of beggars; post-icus, behind (post, old poste); pūd-icus, shamefast (pūdēre).*

2. Substantives: *formica, an ant; lect-ica, a sedan (lecto-); lōr-ica, a breast-plate (of leathern thongs; lōro-); lumbricus, a worm; Nas-ica (m.), (nāso-); rubr-ica, red paint, red heading (rubro-); vēsica, a bladder; umbil-īcus, the navel (comp. ὀμφαλός); urtica, a nettle (comp. ūr-ēre). See also in § 767. 2 b.*

i-āco *Ægypt-ī-ācus, of Ægypt (Ægypto-); Cōrinthiacus, of Co- 775 rinth (Cōrintho-); Nil-ī-ācus, of the Nile (Nilo-).*

2. Stems ending in -cu, -ci, -c.

-cu See § 395. *ācus (m. f.), a needle (comp. āc-ēr, ἀκ-ωκή); 776 arcus (m.), a bow; fīcus (f.), a figtree; lācus (m.), a pool (comp. lācūna, lā-ma, λὰκ-ος, λὰκκος); pēcu (n.), a head of cattle; portīcus (f.), a colonnade (comp. portu-); qvercus (f.), an oak; spēcus (m.), a cave (comp. σπέος).*

-ci *arx (f.), a citadel (comp. arcēre); calx (f.), (1) chalk, (2) a heel; dulcis, sweet (comp. γλυκύς); fascis (m.), a bundle; fæx (f.), dregs; fauces (m. pl.), throat; lanx (f.), a dish; lux (f.), light; merx (f.), merchandise; piscis (m.), a fish; torqvīs (m.), a collar (comp. torqvēre, to twist).*

-c *crux (f.), a cross; dux (m.), a leader; fax (f.), a link; frāces (m. pl.), oil-dregs; nex (f.), death; nux (f.), a nut; pīx (f.), pitch (comp. πίσσα and § 839 b); prex (not found in nom. s.) (f.), a prayer; trux, cruel; vīc-em (m. f.), a change; vox (f.), a voice.*

-ēc (-īc) This is a *diminutival* suffix, and forms substantives. 777

āpex (m.), the top point; cārex (f.), sedge; caudex, cōdex (m.), a tree-trunk, wooden tablets; cīmex (m.), a bug; cort-ex (m. f.), bark of a tree; cūlex (m.), a gnat; forfex (m. f.), scissors; frūtex (m.), a shrub; īlex (f.), an ilex; imbr-ex (m.), a tile (imbri-); lātex (m.), water; mūrex (m.), the purple fish,

pæl-ex, pel-ex (f.), *a concubine* (a transcription of πάλλαξ); **pōdex** (m. **pōd-ěre**); **pollex** (m.), *a thumb*; **pūlex** (m.), *a flea* (comp. ψύλλα); **pūmex** (m.), *a pumice stone*; **rāmex** (m.), *a (branching) bloodvessel* (**rāmo-**); **rūmex** (m. f.), *sorrel*; **sēn-ex** (m.), *an old man* (comp. ἔνος); **sīlex** (m. f.), *flint*; **sorex** (m.), *a shrew mouse* (comp. ὕραξ); **vort-ex, vert-ex** (m.), *a whirl, the top of a thing* (**vert-ěre**).

(**Ju-dex, arti-fex, au-spex, simplex**, &c. are compounds; **obices** from **obīcere**; **illex** from **ilīcere**. See § 395.)

-lc **append-ix** (f.), *an appendage* (**append-ěre**); **filix** (f.), *a fern*; **forn-ix** (m.), *a vault* (**forno-**, *an oven*); **larix**, *a larch*; **sālix**, *a willow* (comp. ἑλίκη); **var-ix**, *a dilated vein* (**vāro-**); and a few others (see § 440). 778

-āci 1. Adjectives; almost all from verb stems: 779

aud-ax, *daring* (**auděre**); **cāp-ax**, *capacious* (**cāpě-re**); **contūm-ax**, *obstinate* (**tūměre**); **dīc-ax**, *witty* (**dīc-**, comp. **maledīc-us**); **ēd-ax**, *eating away* (**ēd-ěre**); **effīc-ax**, *effectual* (**fācě-re**); **ēm-ax**, *fond of making purchases* (**ēm-ěre**); **fall-ax**, *deceptive* (**fall-ěre**); **fēr-ax**, *fruitful* (**fēr-re**); **fūg-ax**, *runaway* (**fūgě-re**); **fūr-ax**, *thievish* (**fūrā-rī**); **lōqv-ax**, *talkative* (**loqvī**); **mend-ax**, *lying* (comp. **men-tī-rī**); **mīn-ax**, *threatening* (**mīnā-rī**); **mord-ax**, *biting* (**mor-děre**); **nūg-ax**, *trifling* (**nugā-rī**); **prōc-ax**, *forward in manner* (**prōcā-re**); **pugn-ax**, *quarrelsome* (**pugnā-re**); **rāp-ax**, *rapacious* (**rāpě-re**); **sāg-ax**, *sagacious* (comp. **præ-sāgī-re**); **sāl-ax**, *lustful* (**sallre**); **sēqv-ax**, *pursuing* (**seqvī**); **perspic-ax**, *clear-sighted* (**spēcě-re**); **tāg-ax**, *light-fingered* (**tag-**, **tangere**); **tēn-ax**, *tenacious* (**tēněre**); **vēr-ax**, *truthful* (**věro-**); **pervīc-ax**, *stubborn* (**vīnc-ěre**); **vīv-ax**, *lifelike, long-lived* (**vīv-ěre**); **vōr-ax**, *voracious* (**vōrā-re**); and some others little used.

2. Substantives: **forn-ax** (f.), *a kiln* (**forno-**); **pax** (f.), *peace*. Also (with suffix **-āc**): **līm-ax** (f.), *a slug* (**līmo-**).

-ōci Adjectives: **atr-ox**, *cruel* (**atro-**, *black*); **fēr-ox**, *high-spirited* (**fěro-**, *wild*); **solox**, *coarse* (of wool, only in *Festus*); **vēl-ox**, *swift* (**vōlā-re?**). 780

Substantive: **cēl-ox** (f.), *a yacht* (comp. **cēl-er**, κέλης).

-ēc **ālex** (f.), *fish brine*; **verv-ex** (m.), *a wetber*.

-īci 1. Adjectives: **fēl-ix**, *happy*; **pernix**, *active* (**nī-tī**, cf. § 707). 781

-īc 2. Substantives; all feminine.

cervix, *a neck-bone* (?), *the neck*; **cor-n-ix**, *a crow* (comp. **cor-vus**, κορ-ών-η, κόρ-αξ); **cōturnix**, *a quail*; **cox-end-ix** (f.), *the hip* (**coxa-**); **jūn-ix**, *a beifer* (**jūvən-**); **lōdix**, *a*

blanket; rād-ix, a root (comp. *πίφα*, and perhaps *παδιός*, *taper*, *rā-mus*); *stru-ix* (f.), *a heap* (*strui-*, *stru-ēre*); *vībix*, *a weal*.

mātr-ix (f.), *a breeder* (*māter*); *nūtr-ix* (f.), *nurse* (*nutrīre*), are formed as if analogous to the words in the next section.

-t-r-ic } Semi-adjectival feminine substantives corresponding to 782
(*-t-r-ici*) } nouns in *-tōr*. The *t* is the suffix of supine, &c. When used as adjectives they have *-i* stems (e.g. *victricia*, § 414).

accusā-trix (Plaut. twice), *accuser* (*accusā-*); *adjū-trix*, *helper* (*adjūva-re*); *al-trix*, *nourisher* (*āl-ēre*); *āmā-trix* (Plaut., Mart.), *a mistress* (*amā-re*); *bellā-trix*, *a warrior* (*bellā-re*); *cicā-trix*, *a scar*; *conservā-trix* (Cic. once), *preserver* (*servā-re*); *contem-p-trix*, *despising* (*contemn-ēre*); *creā-trix*, *a creator* (*creā-re*); *cul-trix*, *a cultivator* (*cōl-ēre*); *ēdūcā-trix*, *trainer* (*edūcā-re*); *expul-trix*, *expeller* (*pell-ēre*, *pul-sum*, § 152. 3); *gēnē-trix*, *a mother* (*gēn-*, *gignēre*); *gūberna-trix*, *directress* (*gubernā-re*); *imperā-trix*, *commander* (*imperā-re*); *indāgā-trix*, *a tracker out* (*indāgā-re*); *inven-trix*, *discoverer* (*vēn-i-re*); *mērē-trix*, *a courtesan* (*mērēre*); *mōli-trix* (Suet.), *a contriver* (*mōli-ri*); *nā-trix*, *a water-snake* (*nā-re*); *obstē-trix*, *a midwife* (*stāre*, cf. § 645); *oratrix*, *a suppliant* (*orāre*); *receptrix*, *a receiver* (*recipere*); *tex-trix* (Mart.), *webster*, i.e. *female weaver* (*tex-ēre*); *tons-trix*, *a barber* (*tondēre*, § 160. 3); *venā-trix*, *hunter* (*vēnāri*); *vic-trix*, *conquering* (*vincēre*); *ul-trix*, *avenging* (*ulc-isci*, cf. § 110. 2); and some others.

In Plautus also *cistellatrix*, *a casket-woman* (*cistella-*); *præstigiatrix*, *a conjurer* (*præstigia*).

Compound stem-endings: *-cōso*, *-icūlōso*, § 814; *-cundo*, § 820; *-cīno*, *-cīōn*, §§ 840, 853; *-cūlo*, *-uncūlo*, *-uscūlo*, §§ 862—864; *-cēro*, *-cēri*, §§ 887, 902; *-āceo*, *-ūceo*, §§ 920, 921; *-cio*, *-ticio*, *-cīnio*, §§ 930, 931, 936.

ii. Stems ending in *-go*, *-gvo*; *-gi*, *-g*, *-gvi*.

783

In most of these words the *g* belongs to the stem.

-go 1. Adjectives: *largus*, *bountiful*; *longus*, *long*; *sāgus* (usually *sāga*, f.), *foretelling* (comp. *sāg-āx*); *vāgus*, *wandering*; *valgus*, *bow-legged* (comp. *vār-us*).

2. Substantives:

alga, *seaweed*; *bulga*, *a bag* (Gallic word); *cāliga*, *a half-boot* (comp. *calc-eus*); *fāgus* (f.), *a beech-tree* (comp. *φηγός*, *oak*); *frāga* (pl.), *strawberries*; *fūg-a*, *flight* (comp. *φύγη*); *fungus*, *a mushroom* (comp. *σφόγγος*); *jūg-um*, *a yoke* (comp. *ζύγον*, § 141); *merg-us*,

a diver-fowl (merg-äre); *mergæ* (pl.), *a two-prong fork*; *nūgæ* (pl.), *trifles* (comp. *nauco-*); *pāgus*, *a village*; *plāga*, (1) *a region*, (2) *a snare*; *plāg-a*, *a blow* (comp. *plang-äre*, πλήσσειν, πληγή); *rōgus*, *a funeral pile* (rēg-äre); *rūga*, *a wrinkle*; *sāgum*, *a soldier's blanket*, said by Polybius to be a Celtic word; but comp. *σάγη*, *harness*); *strīg-a*, *a swathe* (comp. *string-äre*); *tergum*, *a back*; *tōg-a*, *a cloak* (tēg-äre); *virga*, *a switch* (comp. *vir-äre?*); *volgus* (n. § 338), *folk*.

- gvo *lingva*, *the tongue* (lingēre, *to lick*).
 -gi *ambāges* (f. pl.), *goings round about* (amb, āg-äre); *com-* 784
 pāges (f.), *a fastening* (compang-äre); *contāges* (f.), *con-*
 tagion (com, tang-äre); *jūgis* (adj.), *fresh*; *propāges* (f.),
 offspring (comp. propāgā-re); *strā-ges* (f.), *destruction*
 (comp. sternēre, strā-to-).
 -g *conjux*, *a consort* (com, jūg-); *frūg-em* (f. no nom. sing.),
 fruit, corn; *grex* (m.), *a flock*; *lex* (f.), *a law* (lēg-äre, *to*
 choose?); *rex* (m.), *a king* (rēg-äre); *strix* (f.), *a screech-owl*.
 -gvi *angvis* (m.f.), *a snake* (comp. ἄγχις); *ningvis* (f. nix), *snow*
 (comp. νιφ-ερός); *pingvis*, *fat* (comp. παχύς); *ungvis*
 (m.), *a nail* (comp. ὄνυξ).

Compound stem-endings: -gno, § 826; -gōn, -āgōn, -plāgōn, -ūgōn, -īgōn, § 845; -gneo, § 922.

iii. Stems ending in -ho, -hi

trāha, *a sledge*; *vēhea*, *a cart load* (vēh-äre).

785

CHAPTER V.

DENTAL NOUN-STEMS.

i. Stems ending in -to (or -so when presumably arisen from a dental).

-to Adjectives of quantity:

qvan-tus, *how great* (quam); *qvar-tus*, *fourth* (for 786
qvattvortus from *qvattvor*); *qvin-tus* (or *qvinctus*), *fifth* (*qvinque*);
quō-tus, *how great (a part)*, i.e. *what number* (qvo-, comp. *qvot*);
sex-tus, *sixth* (sex); *tan-tus*, *so great* (tam); *tō-tus*, *so many-th*;
tōtus, *whole*.

Comp. *is-tus* (iste), *that*; *ipsus* (ipse), *self*.

-to (-so) 1. Adjectives:

787

(a) Participles, expressing *completed action*, done in the case of deponent verbs, and some others (§§ 734, 735); *suffered* in the case of verbs having also an active voice, and in many deponents (§ 734). See full list in §§ 689—709. Also §§ 734, 735.

(b) Participles, or words of similar formation, used as adjectives of quality. (For -āto, &c. see below, § 796.)

al-sus, *cool* (alg-ēre); al-tus, *high* (āl-ēre, *to nourish*); ap-tus, *fit* (āpi-sc-1); artus, *narrow* (arcēre, *to confine*); assus, *roast* (comp. ἄζω); blāsus, *lisping* (comp. βλαυσός, *bandy-legged*); brūtus, *brute*; cassus, *empty*; castus, *chaste* (comp. καθᾶρός); cātus, *sharp*; cel-sus, *high* (cell-ēre, *to strike?*); cer-tus, *sure* (cern-ēre); crassus, *thick*; cunctus, *all* (covic-īre); curtus, *docked* (comp. κείρω); dēcrēptus (*that has cracked off?*), *worn out* (crepāre); densus, *thick* (comp. δασ-ύς); dierectus (Plaut.), *crucified*, usually *dierecte*; vocative? or adverb? (always trisyll. dis-erigēre?); dīser-tus, *fluent* (dissērēre? *to discuss*); ēlixus, *boiled* (comp. laxus, prolixus); fal-sus, *false* (fallēre); fastus (nēfastus), *lawful* (fas); fessus, *weary* (fāti-sc-1, *to gape*); fes-tus, *festive* (comp. fēr-lae); fē-tus, *pregnant* (comp. fē-mina, fē-cundus, § 99. 6); frētus, *relying* (fer-re? cf. § 692); glūtus, *tenacious, soft* (§ 690); grātus, *pleasing*; hirtus, *shaggy*; in-fes-tus, *set on* (cf. § 704. n.); invitus, *unwilling* (for in-vic-tus? comp. Fek-, ἐκών); ir-rī-tus, *ineffectual* (rēri); justus, *just* (jūs-); lætus, *cheerful*; lassus, *tired*; lātus, *broad* (for tlātus, *borne*, cf. § 176. 3); laxus, *loose*; luxus, *dislocated* (comp. λοξός); lau-tus, *splendid* (lāvāre); lentus, *pliant*; mac-tus, *made great* (comp. magnus); mæstus, *sad* (mærēre); mānifestus, *hand-struck*, i.e. *palpable* (§ 704. n.); multus, *much*; mustus, *new*; mūtus, *dumb* (comp. mussāre; also μύειν, *to close the eyes*); ōbēsus (*overeaten*, i.e.), *fat* (ēd-ēre); pætus, *blink-eyed*; pēr-ōsus, *bating* (cf. p. 252); plautus, *flat*; pūtus, *cleared, quite* (comp. pū-tāre, § 964); russus, *red* (comp. ἐρυθρός); sal-sus, *salt* (sālīre); sanctus, *holy, good* (sanc-īre); sen-tus, *squalid* (comp. sentīna); sī-tus, *placed* (sīn-ēre); spissus, *crowded*; stultus, *foolish* (comp. stōlīdus); sūbītus, *sudden* (subīre); sublestus (Plaut.), *weak*; tātus, *silent* (tācēre); ter-sus, *neat* (tergere, *to wipe*); vastus, *waste, huge*; vīgē-tus, *active* (§ 693).

2. Substantives:

788

(a) Masculine: accensus, *an apparitor* (orig. *supernumerary*, Mommsen, accensēre); cossus, *a worm*; also as proper name (from *wrinkled skin*); dīgītus, *a finger* (comp. δάκτυλος, δεικνύειν, dīcēre, dīc-āre, *prodigium*); fūsus, *a spindle*; grōssus, *an unripe fig*; guttus (gūtus), *a bottle*; hortus, *a garden* (cf. § 134); lācertus, (1) *the muscle of the upper arm*; (2) *a lizard*; lectus, *a couch* (comp. λέχος, λέκτρον); liber-tus, *a freedman* (libēro-); nāsus (nāsum), *a nose* (comp. nāris); ventus, *a wind*; ursus, *a bear* (comp. ἄρκτος).

lānista, a trainer of gladiators (comp. *cīthārista*, *κιθαριστής*); *lixa*, a camp-follower.

Bassus; Cotta (for cocta?); Natta; Pansa, *splay-foot?* (pand-ēre).

(b) Feminine: *buxus*, *box-tree*; *taxus*, *yew*.

āmīta, a father's sister; *ansa*, a handle; *antistī-ta*, a priestess (ante, stāto-); *ārista*, the beard of corn; *ballista*, a military engine (*βάλλειν*); *bēta*, beet; *blatta*, a moth; *capsa*, a box (cāp-ēre?); *cā-tasta*, a platform; *causa*, a cause; *cārussa*, white lead (as if *κηρόεσσα*?); *charta*, paper (*χάρτης*); *costa*, a rib; *coxa*, the hip (comp. *κοχώνη*); *crēta*, chalk; *crista*, a crest; *crusta*, rind, shell, &c.; *cū-curbīta*, a gourd; *culcīta*, a pillow; *fossa*, a ditch (*fōdō-re*); *gutta*, a drop; *hasta*, a spear; *hospīta*, a guest; *impen-sa* (sc. pecunia), expense (impēnd-ēre); *instīta*, a flounce or band; *jūven-ta*, youth (*jūvēm-*); *matta*, a mat; *mensa*, a table; *mēta*, a cone; *multa*, a fine; *nōta*, a mark (cf. § 647); *noxa*, hurt (nōc-ēre); *offen-sa*, a striking against (offend-ēre); *orbīta*, a wheel track (orbi-); *pausa*, a pause (*παύειν*); *planta*, a sprout, the sole of the foot; *porta*, a gate; *prætēx-ta* (sc. toga), a bordered robe (prætēx-ēre); *prōsa* (sc. oratio), prose (pro-vert-ere, cf. § 191. 2); *rēpul-sa*, a repulse (repell-ēre); *rixa*, a quarrel (comp. *ῥιπιδ-*); *rōsa*, a rose (comp. *ρόδον*); *rōta*, a wheel; *rūta*, rue (comp. *ρυτή*); *sæta*, a bristle; *sāgitta*, an arrow; *sec-ta*, a party (sēcāre or sēqvi?); *sēmīta*, a path; *secespīta*, a knife; *Sospīta* (epithet of Juno), Preserver; *sporta*, a basket (comp. *σπυρίδ-*); *tensa*, a sacred chariot; *testa*, a potsherd (for *tors-ta*, from *torrē-re*?); *ton-sa*, an oar (*tund-ēre*); *Vesta*, hearth-goddess (comp. *ūr-ere*, *us-tum*; *Ἑστία*); *vindicta*, (1) rod used in the ceremony of manumission; (2) revenge (*vindēc-*); *vīta*, life; *vitta*, a fillet (comp. *viēre*); *vōlū-ta*, a scroll in architecture (*volv-ēre*).

(c) Neuter: *arbūtum*, wild strawberry; *bus-tum*, a tomb (comp. *com-būr-ēre*); *compītum*, a crossroad (com-pēt-ēre?); *cūbī-tum*, the elbow (*cūbāre*); *dēfrūtum*, must boiled down (*defervere*?); *dic-tum*, a saying (*dīc-ēre*); *dorsum*, a back; *exta* (pl.), heart, liver, &c. (for *ex-sec-ta*?); *fā-tum*, destiny (*fā-ri*); *frētum*, a sea strait; *frustum*, a broken piece (comp. *θραύειν*, § 99. 6); *furtum*, a theft (*fūr-*); *lētum*, death; *lū-tum*, mud (comp. *lāv-āre*); *lūtum*, a yellow dye; *mentum*, the chin (comp. *e-minēre*, to project); *ōmāsum*, bullock's tripe (a Gallic word); *pas-sum*, raisin wine (pand-ēre, to spread out to dry); *pen-sum*, a task (pend-ēre, to weigh); *pessum* (only acc.), ground (*pēd-*, foot); *porten-tum*, a portent (portend-ēre); *prātum*, a meadow; *prosecta* (pl.), parts cut off, e.g. for sacrifice (*prosēcāre*); *pulpītum*, a scaffold; *punc-tum*, a point (*pung-ēre*, to prick); *sæp-tum*, a fence (*sæp-īre*); *saxum*, a rock; *scortum*, a whore (orig. a hide acc. to Varro; comp. *cōr-ium*); *scrūta* (pl.), trash; *scūtum*, a leather-covered shield (comp. *σκῦτος*); *sugges-tum*, a platform (*suggēr-ere*); *tec-tum*, a house (*tēg-ēre*); *tes-tum*, a pot-lid (*torr-ēre*); *vervactum*, a fallow-field; *virgultum*, a thicket (*virg-ūl-a-*); *vō-tum*, a vow (*vōv-ēre*).

-us-to i.e. -to appended to a suffix in -os, -us (-or, -ur). 789

angus-tus, narrow (*angōr-*, *ang-ēre*; comp. ἄγγειν, *to throttle*); *aug-us-tus*, consecrated (*aug-ur-*); *faus-tus*, propitious (*fā-vōr-*); *ōn-us-tus*, laden (*ōnūs-*); *rōb-us-tus*, strong (*rōbōr-*); *vēn-us-tus*, pretty (*vēnūs-*); *vētus-tus*, ancient (*vetūs-*).

-es-to i.e. -to appended to a suffix -os or -us.

fūn-es-tus, deadly (*fūn-ūs-*); *hōn-es-tus*, honourable (*hōn-ō-s*); *intempe-s-tus*, unseasonable (*in tempōs-*); *mōd-es-tus*, modest (*modo-*; comp. *mōd-ēr-ā-ri*); *mōl-es-tus*, troublesome (*exhausting*, from *mōl-ēre*, *to grind?*); *scōl-es-tus*, wicked (*scōlūs-*).

-c-to i.e. -to appended to the suffix -ēc, -īc. 790

1. Adjectives: *senectus* (Plaut.), old (*sen-ēc-*); hence *senecta*, sc. *ætas*, old age; *ūmectus*, moist (comp. *ūm-ēre*).

2. Substantives: *cār-ec-tum*, reed beds (*cār-ēc-*); *dūm-ec-tum* (Fest.), old for *dumetum* (§ 798. 2); *frutec-tum* (also in Col. *frutetum*; comp. *fruticetum*, § 798. 2), shrubbery (*frūtēc-*); *sāl-ic-tum*, a willow bed (*sālīc-*); *vīr-ec-tum*, greenery (*vīr-ēre*).

-en-to 1. Adjectives: *cru-entus*, bloody (comp. *cru-or*). 791

2. Substantives: (a) feminine: *pōlenta*, pearl barley (*pollēn-*; comp. πάλη); *plācenta*, a cake (probably from acc. of πλακοῦς).

(b) Neuter: *arg-entum*, silver (comp. ἀργός, *white*); *carpen-tum*, a covered two-wheeled carriage; *flu-entum*, a stream (*flu-ēre*); *pilentum*, a covered four-wheeled carriage; *tālentum*, a balance (τάλαντον); *ungven-tum*, ointment (*ungvēm-*).

So the names of towns: *Agrigentum* (Ἀκραγαντ-, nom. Ἀκράγας); *Bux-entum*, Boxgrove (*buxo-*; Πυξοεντ-, nom. Πυξοῦς); *Grūm-entum*, Hill-town? (*grūmo-*); *Laur-entum*, Laurel grove? (*lauro-*); *Tārentum* (Τάρας); comp. *Sipontum* (Σιποῦς).

-m-en-to i.e. -to appended to the suffix -mēn (§ 850). 792

Substantives, (a) neuter; usually derived from verbs. Many are used chiefly in the plural.

ālī-mentum, nourishment (*āl-ēre*); *āmentum*, a javelin thong, (for *āplī-mentum*, a fitting? comp. *ap-tus*, ἄπτειν); *argū-mētum*, a proof (*argu-ēre*); *armā-menta* (pl.), tackle (*armā-re*); *ar-mentum*, a plough beast (*ārā-re*); *atramentum*, ink (*atro-*); *auctōrā-mentum*, hire (*auctorā-ri*); *blandī-mentum*, soothing (*blandī-re*); *cæ-mentum*, quarried stone (*cæd-ēre*); *calceā-mentum*, a shoe (*calceā-re*); *cāpillā-mentum*, hair (*capillo-*); *coag-mentum*, a joining (*coāg-ēre*); *cognō-mentum*, a surname (*cogno-sc-ēre*); *complē-mentum* (rare), a filling up (*complē-re*); *dehōnesta-mentum*, a disgrace (*dehōnestā-re*); *dē-trī-mentum*, a loss by wear (*detēr-ēre*; comp. *detrī-tus*); *dōcū-men-*

tum, a lesson (dōcēre); *ēlē-menta* (pl.), *first principles* (means of growth? comp. *ōlescere*); *ēmōlū-mentum*, *gain* (by grinding; *emōl-ēre*); *expēri-mentum*, a *test* (*expēri-ri*); *fer-mentum*, *yeast* (*ferv-ere*); *ferrā-mentum*, an *iron implement* (comp. *ferrā-tus*); *fō-mentum*, *poultice*, &c. (*fōvēre*); *frāg-mentum*, a *fragment* (*frang-ēre*); *frū-mentum*, *corn* (comp. *frūges*); *fundā-mentum*, a *groundwork* (*fundā-re*); *incitā-mentum*, an *incentive* (*incitā-re*); *incrē-mentum*, *increase*, *germ* (*incre-sc-ere*); *instrū-mentum*, *stock of implements*, a *means* (*instru-ēre*); *intertrī-mentum*, *waste by rubbing* (cf. *detri-mentum*); *irritā-mentum*, an *incentive* (*irritā-re*); *jū-mentum*, a *beast of draught* (*jung-ēre*; comp. *jūg-um*); *lā-menta* (pl.), *lamentation* (for *clāmāmenta*? cf. § 110. 3); *lēvā-mentum*, a *relief* (*lēvā-re*); *lō-mentum*, a *wash* (*lāv-āre*); *māchīnā-mentum*, a *machine* (*machīnā-re*); *mō-mentum*, *motion*, *impulse* (*mōvēre*); *mōnū-mentum*, a *memorial* (*monēre*); *nūtrī-mentum*, *nourishment* (*nūtrī-re*); *ō-mentum*, a *fat membrane*; *ōpēri-mentum*, a *lid* (*ōpēri-re*); *ornā-mentum*, an *ornament* (*ornā-re*); *pālūdāmentum*, a *military cloak*; *pāvī-mentum*, *pavement* (*pāvī-re*, to beat, ram); *pēdāmentum*, a *prop for vines*, &c. (*pēdā-re*, to put feet to); *plg-mentum*, a *paint* (*ping-ere*); *pul-mentum*, *pulpā-mentum*, *meat* (*pulpa-*); *purgā-mentum*, *refuse* (*purgā-re*); *rā-mentum*, a *scraping*, *chip* (*rād-ēre*); *rūdī-mentum*, a *trial*, *beginning* (*foil-exercise*? *rūdis*, a *foil*?); *sæpi-mentum*, a *hedge* (*sæpi-re*); *sar-mentum*, a *vine pruning*, i.e. a *branch requiring to be pruned off* (*sarp-ēre*, to *prune*); *seg-mentum*, a *strip* (*sēcā-re*); *sternū-mentum*, *sneezing* (*sternu-ēre*); *strā-mentum*, *straw* (*stern-ēre*, *strā-tus*); *strig-mentum*, a *scraping* (*string-ere*); *suffī-mentum*, *incense* (*suffī-re*); *tēg-u-mentum* (*integumen-tum*), a *covering* (*tēg-ēre*); *tempērā-mentum*, *mixture*, *moderation* (*tempērā-re*); *testā-mentum*, a *will* (*testā-ri*); *tō-mentum*, *stuffing* (*clippings*? comp. *tondēre*); *tor-mentum*, a *whirling engine* (*torqvēre*); *vestī-mentum*, a *dress* (*vestī-re*); and others.

(b) Feminine: *fulmenta*, a *prop*; *rāmenta*, a *shaving*; both old forms. See the neuters.

ūl-en-to Sometimes the older *-ōlento*; sometimes the later *-lento*. 793
From real or assumed derivatives in *-to*, *-ti*.

Adjectives: *corpu-lentus*, *fleshy* (for *corpōr-ulentus*); *escu-lentus*, *eatable* (*ēscā-*); *fraudu-lentus*, *cheating* (*fraudī-*); *grācī-lentus*, *thin* (comp. *grācīlis*); *lūcu-lentus*, *bright* (*lūcī-*); perhaps also *gainful* for *lucru-lentus* (*lucro-*); *lūtu-lentus*, *muddy* (*lūto-*); *mācī-lentus*, *wasted* (*mācie-*); *ōpū-lentus*, *wealthy* (*ōpī-*); *potu-lentus*, *drinkable* (*pōto-*); *pulvēr-ūlentus*, *dusty* (*pulvis-*); *pūr-ulentus*, *festering* (*pūs-*); *sangvīn-olentus*, *blood-stained* (*sangvēm-*); *tēm-ulentus*, *drunken* (comp. *tēm-ētum*); *trūcu-lentus*, *fierce* (*trūcī-*); *turbu-lentus*, *riotous* (*turba-*); *vīno-lentus*, *drunken* (*vīno-*); *vīo-lentus*, *violent* (*vi-* for *vīsi-*).

-gintā)
-gintī) Indeclinable adjectives of number, denoting multiples of 794
ten: *gintī* (or *-tā*) = *decem-ti* (or *-ta*).

vī-gintī, *twenty* (dvi-dēcem-tī, *two-ten-ty*); **tri-gintā**, *thirty* (tri-); **quadrāgintā** (quatvor-, § 158); **qvinqvāgintā**, *fifty* (qvinqve-); **sexā-ginta**, *sixty* (sex); **septuāgintā**, *seventy* (septem, see below); **octō-ginta**, *eighty* (octo); **nōnāgintā**, *ninety* (nōvem, see below).

Compare **centum**, supposed to be for **decem-decem-ta**.

The formation of the higher cardinal numbers is in some points very obscure. The final vowel—ī in **vigintī**, ā in the others—is found also in Greek, but is there short; e.g. *εἴκοσι*, Dor. *εἴκαρι*; *τριάκοντα*, &c. The ā before the guttural in **quadrāginta**, &c. is also found in Greek; e.g. *τεσσαράκοντα*, but the origin of none of these vowels is clear. The final ī in **vigintī** may be a *dual* form: the final ā of **triginta**, &c. is by some considered to be the same as the ordinary ā of the neuter plural.

Septuaginta, *seventy*, is abnormally formed instead of **septenginta**, probably to avoid confusion with **septingentī**, *seven hundred*. (For the u comp. **septuennis**.) **Nōnaginta** is probably for **nōvin-aginta**, the m being assimilated to the initial n. (Schleicher derives it directly from the ordinal **nōno**-.)

-cento } Declinable adjectives of number, denoting multiples of *a* 795
-gento } *hundred* only used in plural: **gento** = **centum**.

dūcentī, *two hundred* (duo-centum); **trēcentī**, *three hundred* (tri-); **quadringentī**, *four hundred* (qvatvor, see below); **quingentī**, *five hundred* (for qvinqvigentī); **sexcentī**, *six hundred* (sex); **septingentī**, *seven hundred* (septem); **octingentī**, *eight hundred* (octo, see below); **nongentī**, *nine hundred* (nōn is for nōvem).

The -in in **quadringentī** and **octingentī** has perhaps been suggested by **septingentī** (where it has its justification in **septem**; for the ī cf. § 204. 2. c) and **qvingentī**, where it is radical. It may have been adopted to increase the distinction of the hundreds from the tens.

The difference of the vowel before nt in the hundreds compared with the tens, e.g. **quadringentī**, **quadraginta**, is probably due partly to the desire for distinction, partly to the fact that the e of a suffix (**decem**) more easily passes into ī (**quadraginta**) than the e in **centum** (**quadringentī**), which is apparently, though perhaps not really (cf. § 794), radical.

-āto 1. Participles from verbs with -a stems (§ 697); e.g. 796
āmātus, &c. *loved* (amā-re); &c.: or adjectives formed as such:

ācūle-atus, *furnished with a sting or thorn* (acu-leo-); **ādīp-atus**, *fattened* (adēp-); **æser-atus**, *of bronze* (æs-); **alb-atus**, *clad in white* (albo-); **ans-atus**, *with handles* (ansa-); **arm-atus**, *armed* (armā-

re); *aur-atus*, gilded (*auro-*); *barb-atus*, bearded (*harba-*); *brācca-tus*, breeched (*bracca-*); *cāpill-atus*, bairy (*cāpillo-*); *cāpit-atus*, with a head (*cāpit-*); *cātēn-atus*, chained (*cātena-*); *centūri-atus*, of the centuries (*centūria-*); *cētr-atus*, armed with a short shield (*cetra-*); *cincinnatus*, curled (*cincinno-*); *cōlumn-atus*, furnished with columns (*cōlumna-*); *cord-atus*, having good sense (*cord-*); *cōthurn-atus*, buskined, i.e. tragic (*cōthurno-*); *crēpld-atus*, sandalled (*crēplda-*); *crēt-atus*, chalked (*crēta-*); *crist-atus*, crested (*crista-*); *cūri-atus*, of the Curia (*curia-*); *dēlic-atus*, charming, dainty (*filtered*, *dellqvāre?*); *dent-atus*, toothed (*denti-*); *dimīdi-atus*, halved (*dimidio-*); *Fāb-atus*, beaned, chiefly as surname (*fāba-*); *fæc-atus*, made from lees (*fæci-*); *falc-atus*, sickle-shaped (*falci-*); *ferr-atus*, iron-covered (*ferro-*); *gēnicūl-atus*, with knees, i.e. jointed (*gēni-cūlo-*); *gutt-atus*, speckled (*gutta-*); *hast-atus*, armed with spear (*hasta-*); *littēr-atus*, lettered, i.e. branded or learned (*littēra-*); *lūp-ātus*, armed with jagged spikes like wolf's teeth (*lūpo-*); *mōr-atus*, -mannered (*mōs-*); *numm-atus*, supplied with money (*numm-*); *ōbær-atus*, moneyed over, i.e. in debt (*æs-*); *ōcell-atus*, with little eyes or spots (*ōcello-*); *ōcūl-atus*, having eyes (*ōcūlo-*); *orbicūl-atus*, rounded (*orbicūlo-*); *palli-atus*, dressed in a Greek cloak (*pallio-*); *pālūd-atus*, with the military cloak on (comp. *paluda-mentum*); *palm-ātus*, worked with palm-branches (*palma-*); *penn-atus*, winged (*penna-*); *pīl-atus*, armed with a pike (*pīlo-*); *pīlle-atus*, bonneted (*pīlleo-*); *pinn-atus*, feathered (*pinna-*); *prætext-atus*, wearing the bordered robe (*prætexta-*, § 790); *torqv-ātus*, wearing a collar (*torqvi-*); *trābe-atus*, wearing the state robe (*trā-bea-*); *tūnī-catus*, in a shirt (*tūnica-*); *visc-atus*, limed (*visco-*); *vitt-atus*, filleted (*vitta-*); *ungvent-atus*, anointed (*ungvento-*); and many others.

2. Substantives: *arqv-atus*, (1) the jaundice, (2) a jaundiced person (*arquo-*, the rainbow?); *pālātum*, the palate; *victori-atus* (sc. *nummus*), a victory-coin (*victoria-*).

-ōto *ægr-ōtus*, sick (*ægro-*). See also § 689.

-ūto 1. Participles from verbs with -u stems (§ 690); e.g. *ācū-tus*, sharpened (*ācu-ēre*); &c.; or adjectives formed as such, chiefly from substantives with -u stems:

ast-utus, crafty (*astu-*); *cinct-utus*, girdle-wearing (*cinctu-*); *corn-utus*, horned (*cornu-*); *dēlib-utus*, smeared (comp. *λείβειν*); *hirs-ūtus*, shaggy (comp. *hirto-*); *nās-utus*, with large, or, metaphorically, sharp nose (*nāso-*); *vers-utus*, adroit (*versu-*, a turning; *vēr-utus*, javelin-armed (*veru-*).

actūtum (adv.), instantly (*actu-*. See § 528).

2. Substantives: *āluta*, leather; *cīcuta*, hemlock; *Mātuta*, Goddess of dawn (comp. *māne?*); *vērutum*, a javelin (*veru-*). See also § 788 b, c.

-ēto 1. Participles from verbs with stems in -e (§ 692); e.g. *deflētus*, lamented (*deflēre*); &c.; also the adjective, *fāc-ētus*, witty.

2. Substantives: (a) masculine or feminine: *bōletus* (m.), a kind of mushroom (from βωλίτης?); *Mōneta*, a surname of Juno, in whose temple money was coined: hence *mint*; *rūbeta*, a toad (said to be from *rūbo-*, *bramble*). See also § 788 b.

(b) neuter: (1) *ācetum*, *vinegar* (ace-sc-ere); *ōletum* (old word), *dung* (ōlēre?); *tāpetum* (cf. § 418), a *carpet*; *tēmetum*, *intoxicating drink* (comp. *tēm-ulentus*, *abs-tēm-ius*); *trāp-etum* (cf. § 418), an *olive mill*.

(2) Names expressing a place where a plant, &c. grows: (But few of these words are used frequently):

āscūl-etum (Hor.), an *oak forest* (*āscūlo-*); *ārundīn-etum*, a *reed bed* (*arundōn-*); *aspr-etum*, *rough place* (*aspēro-*, § 347); *bux-etum* (Mart.), *box plantation* (*buxo-*); *castān-etum* (Col.), *chestnut grove* (*castanea-*); *cūpress-etum*, a *cypress grove* (*cupresso-*); *dūm-etum*, a *thicket* (*dūmo-*); *fīm-etum* (Plin.), *dungbill* (*fīmo-*); *frūtīc-etum*, a *shrubbery* (*frūtēc-*); *myrt-etum*, *myrtle grove* (*myrto-*); *ōlīv-etum*, an *oliveyard* (*ōlīva-*); *pīn-etum*, *pine grove* (*pīno-*); *qverc-etum*, *oak grove* (*qverco-*); *rōs-etum*, *rose bed* (*rōsa-*); *sax-ētum* (once Cic.), *bed of rocks* (*saxo-*); *sentī-c-etum* (Plaut.), *thorn bed* (*sentī-*: formed in analogy with *fruticetum*?); *sēpulcr-etum* (Catull.), a *graveyard* (*sēpulcro-*); *vētēr-etum* (Colum.), *old fallow land* (*vētūs-*); *vīn-etum*, a *vineyard* (*vīno-*); with others used very rarely. So *Argīletum*, *marlbed* (*argilla-*), popularly misunderstood by the Romans.

-īto 1. Participles from verbs with -ī stems (§ 695); e. g. 799 *aud-ītus*, *heard* (*aud-īre*); &c.: and adjectives formed as such:

āv-ītus, of a *grandfather* (*āvo-*); *aur-ītus*, with *ears* (*aurī-*); *Cerr-ītus* (for *Cererītus*), *frenzied by Ceres' influence* (*Cērēs-*); *crīn-ītus*, *bairy* (*crīnī-*); *fortu-ītus* (Hor., Phædr.), *fortuitus*, (Manil., Petr., Juv.), *by chance* (*fortī-*, cf. § 405); *grātu-ītus* (Plaut.), *gratu-ītus* (Stat.), *without pay* (comp. *grātīa-*); *mār-ītus*, *married, of marriage* (*māsi-*); *mell-ītus*, *honeyed* (*mell-*); *patr-ītus*, of a *father* (*patr-*); *pell-ītus*, *skin-clad* (*pellī-*); *pēr-ītus*, *skilled* (cf. p. 254); *sci-tus*, *clever, knowing* (*sci-re*); *turr-ītus*, *turreted* (*turri-*).

2. Substantives: *pītu-ita*, *phlegm* (comp. πτύειν, spu-ēre); *scriblīta*, a *cake*.

ii. Stems ending in -tu, -ti, -t (-su, -si, -s when presumably arisen from a dental).

-tu (-su) Substantives derived mostly from verbs, and generally 800 denoting an *act*. (The accusative and ablative cases are the so-called supines.) See §§ 397—399 and Book II. Chap. XXIV.

adven-tus, *an arrival* (advēn-īre); aes-tus, *heat* (comp. αἶθεῖν, *to set on fire*); āmic-tus, *a garment* (āmic-īre); anfractus, *a circuit, a bend* (am, frang-ere); anhēl-itus, *panting* (anhēlā-re); appārā-tus, *equipment* (appārā-re); appētī-tus, *appetite* (appetī-, appet-ēre); arbitr-atus, *judgment, choice* (arbitrā-ri); ar-tus, *a joint* (comp. ἀρτεῖν, *to fit*); aspec-tus, *sight* (aspicē-re); as-tus, *cunning* (§ 396); audī-tus, *bearing* (audī-re); bālā-tus, *a bleating* (bālā-re); cæs-tus, *a gauntlet* (cæd-ēre? hence *a strip*); can-tus, *a song* (cān-ēre); cap-tus, *grasp, esp. mental* (cāpē-re); cā-sus, *an accident* (cād-ēre); cen-sus, *a reckoning* (censēre); coitus, *a connexion* (co-īre); coetus, *an assembly* (same as last); cōmītā-tus, *a train* (comītā-re); crēpī-tus, *a rattling* (crēpā-re); crūciā-tus, *torturing* (crūciā-re); decur-sus, *a descent, a course* (decurr-ēre); delec-tus, *a selection, levy* (dēlig-ēre); ēven-tus, *an occurrence* (ēvēn-īre); exercī-tus, *an army* (exercēre); exī-tus, *departure* (exī-re); fastus, *pride*; fē-tus, *bearing, offspring* (comp. fē-cundus, fē-mīna); flē-tus, *weeping* (flē-re); fluc-tus, *a wave* (flugv-, flu-ēre); fruc-tus, *enjoyment, fruits* (frugv-, fru-i); ges-tus, *gesture* (gēr-ēre); gustus, *taste* (comp. γεύεῖν); hābī-tus, *habit in various senses* (hābē-re); hālltus, *breath* (comp. hālā-re); hiā-tus, *a gape* (hiā-re); io-tus, *a blow* (īc-ēre); instinc-tus, *instigation* (instingv-ēre); itus (Lucr., Cic.), *a going* (īre); lessus (old word; only in acc. s.), *wailing*; luc-tus, *grief* (lūgēre); luxus, *luxury*; mercā-tus, *trading* (mercā-ri); mētus, *fear*; mō-tus, *motion* (mō-vēre); mūgi-tus, *lowing* (mūgi-re); necessus (cf. § 432; probably from ne, cēd-ere); nexu, *a bond* (nect-ēre); or-tus, *a rising* (ōr-ī-ri); par-tus, *birth* (pārē-re); pas-sus, *a step* (pand-ēre, *to stretch*); plau-sus, *a clapping* (plaud-ēre); portus, *a harbour*; pō-tus, *a drinking* (comp. po-tā-re); progres-sus, *an advance* (progrēd-i); quæ-sus, *gain* (quær-ēre); qves-tus, *complaint* (qvēr-i); ric-tus, *mouth-opening* (ring-i); rī-sus, *laughter* (rīdēre); rītus, *a rite*; sal-tus, *a leaping* (sālī-re); *a mountain glen* (comp. ἄλ-σος?); sex-us, *sex* (sēc-ēre?); sī-tus, *situation* (sīn-ēre); spīr-itus, *a breath* (spīrā-re); strēp-ī-tus, *a din* (strēp-ēre); sum-p-tus, *expense* (sūm-ēre); tac-tus, *a touch* (tang-ēre); tinnī-tus, *a tinkling* (tinnī-re); transī-tus, *a passage* (transī-re); vesti-tus, *dress* (vestī-re); vic-tus, *living, food* (vigv-, vīv-ēre); vī-sus, *sight* (vīd-ēre); vol-tus, *expression of countenance, looks*, cf. Cic. Leg. I. 9 (velle, vōlo); ū-sus, *use* (ūt-i); &c.

frētus (m.), *a strait*; impētus (m.), *an onset* (in pētēre); mētus (m.), *fear*; in which t is apparently radical.

-ul-tu sing-ultus, *sobbing*; tūm-ultus, *uproar* (tūm-ēre).

-ātu From substantives, but formed as if from verbs with -a stems (e.g. consulāre, *to be consul*), denote (1) *the holding office*, (2) *the office itself*, (3) *the body of officers*.

cælib-atus (Sen. Suet.), *celibacy* (cælib-); cīb-atus (præ-Cic. and Plin.), *food* (cībo-); consūl-atus, *a being consul, the consulsip* (con-

-sūl-); **dūc-atus** (post-Aug.), *leadership* (**dūc-**); **ēqvīt-atus**, *cavalry* (**ēqvēt-**); **jūdic-atus** (Cic. once), *judgeship* (**jūdēc-**); **māgistr-atus**, *magistracy* (**māgistro-**); **pēdit-atus**, *infantry* (**pēdēt-**); **pontific-atus**, *the pontificate* (**pontifēc-**); **prīm-atus** (Varr., Plin.), *primacy* (**primo-**); **prīncip-atus**, *chieftainship* (**prīncēp-**); **dēcemvīr-atus** (so **trīumvīr-atus**, &c.), *membership of a commission of ten* (**dēcemvīro-**); **qvadrīm-atus** (Plin., Col.), *age of four years old* (**qvadrīmo-**); **re-atus** (see Quintil. 8. 3. 34), *condition of an accused person* (**reo-**); **sēn-atus**, *a body of old men* (**sēn-**, **sēnex**); **summ-atus** (Lucr.), *sovereignty* (**summo-**); **tribūn-atus**, *tribunate* (**tribūno-**).

-ti (-si) 1. Adjectives: **dis**, *rich* (contracted from **dīves**); **fortis**, ⁸⁰² *brave* (**fer-re**; comp. **φέρτερος**, &c.); **mīlis**, *mild*; **pōtis**, *able* (comp. **πόσις**, *a husband*); **sons**, *guilty*; **tristis**, *sad*.
Cāmer-s, *a man of Camerinum*; **Tibur-s**, *a man of Tibur*.

2. Substantives: (a) masculine and feminine: **amussis** (m.), ⁸⁰³ *a carpenter's rule*; **antes** (m. pl.) *ranks*; **ars** (f.), *art* (comp. **ar-tus**, *a joint*, **ἀρ-αρ-ίσκειν**); **assis**, usually **as** (m.), *a penny*; **axis** or **assis** (m.), *an axle-tree, a board*; **cassis** (m. § 432), *a mesh of a net*; **cautēs** (f.), *a rock*; **classis** (f.), *a class, a fleet* (for **κλᾱσις** Dor. from **καλ-εῖν**?); **cōhors** or **cors** (f.), *a yard, a company* (com, **hor-**; comp. **χόρ-τος**); **cōs** (f.), *a whetstone* (comp. **cautes**); **crātis** (f.), *a bundle of wicker*; **cūtis** (f.), *skin* (comp. **scūtum**, **σκῦτος**); **dens** (m.), *a tooth* (comp. **ὀδοντ-**, nom. **ὀδοῦς**); **ensis** (m.), *a sword*; **fātis** (only in **adfātīm**, *to satiety*), *a yawn* (comp. **fātiscēre**, **fātigare**); **fons** (m.), *a spring of water*, &c.; **fors** (f.), *chance*; **frons** (f. § 419), *the forehead*; **fustis** (m.), *a cudgel*; **gens** (f.), *a race* (**gēn-**, **gignēre**); **grātēs** (f. pl.), *thanks* (comp. **grā-tus**, **grātia**); **hostis** (m. f.), *a stranger, an enemy*; **lens** (f.), *a lentil*; **lis** (for **stilis**, f.), *a strife, a suit*; **mens** (f.), *a mind* (comp. **rē-mīn-isci**); **mensis** (m.), *a month* (comp. **μήν**, **μήνη**); **mes-sis** (f.), *harvest* (**mēt-ēre**, *to mow*); **mons** (m.), *a mountain*; **mors** (f.), *death* (**mōr-i**); **nātis** (f.) *a buttock*; **neptis** (f.), *a granddaughter* (comp. **nēp-ōt-**); **nox** (f.), *night* (comp. **νυκτ-**, nom. **νύξ**); **pars** (f.), *a part* (comp. **πορ-**, **ἐπορον** aor., **pārē-re**); **pestis** (f.), *destruction* (comp. **perd-ēre**, **πέρθ-ειν**); **pons** (m.), *a bridge* (comp. **pondus**); **postis** (m.), *a doorpost*; **puls** (f.), *pulse*; **rātis** (f.), *a raft* (comp. **rēmus**, *an oar*; **ἐρ-έτης**, *a rower*); **restis** (f.), *a rope*; **sēmentis** (f.), *seedtime* (**semēn-**); **sentes** (m. pl.), *thorns*; **sītis** (f.), *thirst*; **sors** (f.), *a lot* (**sēr-ēre**, *to put in rows*); **sponte** (abl. s. f.), *with a will*; **testis** (m.) (comp. **τεκ-**, **τίκτειν**); (m. f.), *a witness* (comp. **τεκ-μήριον**); **tussis** (f.), *a cough* (for **tūd-tis** from **tundēre**?); **vātēs** (m.), *a seer*; **vec-tis** (m.), *a roller or lever* (**vēh-ere**); **ves-tis** (f.), *a dress* (comp. **έν-νύναι**, **έσ-θής**); **vī-tis** (f.), *a vine* (**vī-ēre**, *to weave*).

(b) Neuters: **lac** (or **lact**), *milk* (comp. **γαλακτ-**); **rēte**, *a net*. ⁸⁰⁴

-āt **ānas** (f.), *a duck* (comp. **νήσσα**).

- ōt ālliquōt, *some*; quōt, *how many*; tōt, *so many*: all indeclinable adjectives.
- ūt (-it) capūt (n.), *a head* (comp. κεφ-αλή).
- ēti hēbēs, *blunt*; tērēs, *round* (tēr-ere, *to wear*).
- ēt āblēs (f.), *a pine*; ārlēs (m.), *a ram*; pārlēs (m.), *a wall*; sēgēs (f.), *standing corn*; tēgēs (f.), *a mat* (tēg-ēre).
- ēt (-it) āl-es, *winged* (āla-); ām-es (m.), *a vineprop* (comp. 805
āp-isci); antistes (m. f.), *a priest or priestess* (ante, stā-);
cæl-es (m.), *a heaven-dweller* (cælo-); cæspes (m.), *turf*; coci-es
(m.), *a blind man* (for sco-cul-ēt-; comp. σκό-τος, Curt., Cors.);
cōmes (m. f.), *a companion* (com); dives, *rich* (comp. divo-); ēqv-es
(m.), *a horseman* (ēqvo-); gorges (m.), *a whirlpool*; merges (f.),
a sheaf, also *a pitchfork* (comp. mergæ, *a two-prong*); mīles (m. f.),
a soldier; pēd-es (m. f.), *a man on foot* (pēd-); poples (m.), *the back*
of the knee; præst-es (m. f.), *protecting* (præ, stā-); sātelles (m. f.),
an attendant; sospes, *saving, safe*; stīpes (m.), *a stock* (comp.
stīp-ula, *a straw*); sūperstes, *surviving* (super, stā-); tūdes (Fest.),
a hammer (tundere); vēles (m.), *a skirmisher* (comp. vēl-ox).
- m-ēt (-mīt) fō-mes (m.), *tinder* (fōv-ēre); lī-mes (m.), *a balk* 806
(lī-mo-, *slanting*); palmes (m.), *a vine shoot* (pal-ma,
a branch); tar-mes (m.), *a woodworm* (comp. tēr-ebra, τερ-ηδών);
termes (m.), *a cutting*; trāmes (m.), *a path* (tra-ns).
- en-ti 1. Participles present active of verbs: 807
āma-ns, *loving* (āmā-); audī-ens, *bearing* (audī-); cāpi-
ens, *taking* (capē-re); gign-ens, *begetting* (gi-gn-ēre); mōn-ens,
advising (mōn-ēre); oblivisc-ens, *forgetting* (oblivisci); rēg-ens,
ruling (rēg-ēre); tribu-ens, *assigning* (tribu-ēre); and so from all
verbs.
2. Adjectives, originally present participles, or formed as such:
absens, *absent* (abes-se); ābundans, *abundant* (abundā-re, *to*
overflow); arrōgans, *arrogant* (arrōgā-re, *to claim*); clēmens, *mer-*
ciful; congru-ens, *suitable* (congru-ēre, *to agree*); contin-ens, *con-*
tiguous (continēre); dillg-ens, *accurate* (dillg-ēre, *to love*); ēlēgans,
neat; ēlōqv-ens, *eloquent* (ēlōqvi-); ēvid-ens, *evident* (ex vīd-ēre);
frēqvens, *crowded*; impūd-ens, *shameless* (in pūd-ēre); innōc-ens,
harmless (in nōc-ēre); insōl-ens, *excessive, haughty* (in sōl-ēre, *to be*
wont); insons, *guiltless* (in sons); lib-ens, *willing* (līb-ēre); līc-ens,
presumptuous (līc-ēre); pōt-ens, *powerful* (pōt-esse); prægans, *preg-*
nant (lit. *before bearing*? præ, gēn-); præsens, *present* (præ esse);
præstans, *excellent* (præ-stāre); prūd-ens, *prudent* (pro vīdēre, *to*
foresee); rēcens, *fresh*; rēpens, *sudden*; sāp-iens, *wise* (sāpē-re, *to*

have taste); splend-ens, *glittering* (splendēre); stellans, *starry* (stella-); vālēns, *powerful* (vālēre).

3. Substantives, originally participles, &c.:

ādūlesc-ens (m.), *a young man* (adulesco-ēre, *to grow*); ānīmans, *an animal* (ānīma-, *breath*); cli-ens (m. also clienta f.), *a client* (clu-ere, *to bear*); consentis (m. pl.), *epithet of the twelve chief deities; the Colleagues* (com esse); dext-ans (m.), *five-sixths* (lit. *a sixth off, de-sexto-*); dodrans (m.), *three-fourths*, lit. *a fourth off* (de-qvadro-); infans, *an infant* (in, fā-ri); occīd-ens (sc. sol), *the west* (occīd-ere, *to fall*); ōriens, *the east* (ōriri, *to rise*); pārens (m. f.), *a parent* (pārē-re); rūdens (m.), *a cable*; serpens (m. f.), *a snake* (serp-ēre, *to crawl*); sextans, *a sixth* (sexto-); torrens, *a boiling rushing stream* (torrē-re, *to burn*); tri-ens (m.), *a trithing, i.e. a third* (tri-).

l-en-ti pestī-l-ens, *pestilential* (pesti-); pēt-ūl-ans, *saucy* (comp. petul-cus from pēt-ere).

-s-ti agre-stis, *of the fields* (agro-); caele-stis, *heavenly* (caelo-). 808
Comp. also dōm-esti-cus, § 769, allv-est-ris, § 904, ēg-est-ās, pōt-est-as, § 811.

-āti Adjectives expressing origin. 809

cūj-ās, *of what country* (cujo-); infernas, *of the lower country* (inferno-); infīm-ātis, *one of the lowest rank* (infimo-); nostr-ās, *a countryman of ours* (nostro-); optīm-ās (§ 418), *one of the best party* (optimo-); pēn-ates (m. pl.), *household gods* (pēno-, *store*); summ-ātes (m. pl.), *men of the highest ranks* (summo-); sūpernas, *of the upper country* (superno-).

Similarly from Italian towns: Antiās, *a man of Antium* (Antium); Ardeas (Ardea); Arpīnas (Arpīnum); Atīnas (Atīna); Cāpēnas (Cāpēna); Cāsīnas (Cāsīnum); Fērentīnas (Ferentīnum); Fīdēnas (Fīdēnæ but Fīdēna, Verg.); Frūsīnas (Frūsīno); Lārīnas (Larīnum); Rāvennas (Rāvenna); Sarsīnas (Sarsīna); Urbīnas (Urbīnum).

-āt damnas. (cf. § 445), *condemned* (damnā-re); sāti-ās, *a glut* (sātiā-re).

-t-āt So usually, not tāti-; cf. § 445. For the preceding short 810 vowel, e.g. Itas, see § 213. 6; Iētas, § 213. 5. c and .42; for its omission § 245. Abstract substantives, derived chiefly from adjectives (from 500 to 600 in number, according to L. Meyer): all feminine.

ācerbī-tas, *tartness* (acerbo-); ædīli-tas, *edileship* (ædīli-); æqvāli-tas, *equality* (æqvāli-); æqvi-tas, *fairness* (æqvo-); æs-tas, *summer* (for æsti-tas, æstu-); æ-tas, *age* (ævo-, § 94); æterni-tas, *eternity* (æterno-); affīni-tas, *relationship by marriage* (affīni-);

āgīlī-tas, *agility* (āgīlī-); **amoenī-tas**, *pleasantness* (āmœno-); **antīqvī-tas**, *antiquity* (antīqvo-); **anxiē-tas**, *anxiety* (anxiō-); **Appīe-tas** (formed by Cic. *Fam.* 3. 7), *Appius-ness* (Appio-); **aspērī-tas**, *roughness* (aspēro-); **assīdūlī-tas**, *constant attention, frequency* (assīdūo-); **atrōcī-tas**, *cruelty* (atrōcī-); **auctōrī-tas**, *advice, authority* (auctōr-); **āvidī-tas**, *greediness* (āvido-); **bēnignī-tas**, *kindliness, bounty* (bēnigno-); **cæcī-tas**, *blindness* (cæco-); **cālāmitas** (cālāmo-, *a stalk?* comp. *κάλamos* and *culmus*), *blight, disaster*; **cārī-tas**, *deariness* (cāro-); **cēlebri-tas**, *celebrity* (celebri-); **cīvī-tas**, *citizenship* (cīvi-); **dignī-tas**, *worthiness* (digno-); **dōcīlī-tas**, *aptness for being taught* (dōcīlī-); **ēbriē-tas**, *drunkenness* (ēbrio-); **fācīlī-tas**, *easiness*; **fācul-tas**, *doableness, power* (fācīlī-); **fāmīliārī-tas**, *intimacy* (fāmīliārī-); **hērēdī-tas**, *inheritance* (hērēd-); **hōnes-tas**, *honourableness* (hōnōs-); **hūmānī-tas**, *fellow-feeling, politeness* (hūmāno-); **immūnī-tas**, *freedom from public charges* (immūnī-); **jūven-tas**, *youth* (jūven-); **lēvī-tas**, *lightness* (lēvi-); **liber-tas**, *freedom* (libēro-); **mājes-tas**, *dignity* (majōs-); **mōrōsī-tas**, *fretfulness* (mōrōso-); **nēcēssi-tas**, *necessity* (necesse); **paucī-tas**, *fewness* (paucō-); **pauper-tas**, *poverty* (paupēr-); **plē-tas**, *dutifulness* (plō-); **postēri-tas**, *posterity* (postēro-); **prōpriē-tas**, *proper quality, ownership* (proprio-); **qvālī-tas**, *quality* (qvālī-); **sātīe-tas**, *satiety* (comp. *sātīs*, *sātiāt-*); **sēcūri-tas**, *security* (sēcūro-); **simplicī-tas**, *simplicity* (simplicī-, nom. simplex); **sōcie-tas**, *partnership* (sōcio-); **tempes-tas**, *a season, weather* (tempēs-); **vārie-tas**, *variety* (vārio-); **ūber-tas**, *fertility* (ūber-); **vēnus-tas**, *beauty* (vēnūs-); **vernīlī-tas**, *slavishness, coarse jesting* (vernīlī-); **vētus-tas**, *old age* (vētūs-); **ūnī-tas**, *unity* (ūno-); **ūnīversī-tas**, *a whole, either of persons (i.e. a corporation) or of things (universo)*; **vōlun-tas**, *will* (for *vōlenti-tas*, § 28); **vōlup-tas**, *pleasure* (vōlūp, § 516); **ūtīlī-tas**, *usefulness* (ūtīlī-); and many others.

-es-t-āt **ēg-es-tas**, *want* (ēg-ēre); **pot-estas**, *power* (pōti-); probably formed as if from substantives in *ōs-* or *ōs-* (as *honestas*, *tempes-tas*).

-ō'i **dōs** (f.), *a dowry* (dā-).

-ōt **nēpōs** (m.), *a grandson* (comp. *ἀ-νεψ-ιός*, i.e. *common grandson*); **sācerdos** (m. f.), *a priest* (sācēro-, da-).

-ūt **sālūs** (f.), *safety* (for *salvo-t-*).

-tūt Substantives feminine:
jūven-tus, *youth* (jūven-); **sēnec-tus**, *old age* (sēn-ec-); **servī-tus**, *slavery* (servo-); **vir-tus**, *manliness* (vīro-).

-ēti **lōcūples**, *rich* (perhaps compound of *lōco-* and *plē-to*; cf. Cic. *Rep.* 2. 16). For **tāpēte** (n.), **trāpētes** (m. pl.) see § 418 and **-ēto**, § 798, 1 b.

-iti *Quiris, a Roman citizen; Samnis, a Samnite (Samnio-).*
For *dis, mitis*, &c. see under -ti (§ 802).

Compound stem-endings: -tūmo, § 757; -tīvo, § 764; -tīco, -rīci, §§ 769, 782; -tāt, -estāt, -tūt, §§ 810, 811; -tūdōn, § 847; -tīno, -ter-no, -tīno, -trīno, §§ 827, 829, 840, 842; -tiōn (-siōn), § 854; -tibili (-sibili), § 877; -tīli (-sīli), § 878; -tero, -astēro, -tūro (-sūro), §§ 888, 889, 893; -tru, -tēri, -estēri, -tēr, -tōr (-sōr), §§ 903—905, 908; -tīcio, -itio, -ntio, -tōrio (-sōrio), §§ 931—933, 943.

iii. Stems ending in -so, -si (for -to, -ti).

-so See under -to, §§ 787, 788.

8:3

-ōso For -onso (§ 191. 2), and this again perhaps for -onti-o; comp. *γερουσία* for *γερουρία*. The -i probably caused or assisted the assibilation (§ 143).

Adjectives (said to be 500 in number) expressing *fitness*:

actu-osus, full of motion (actu-); aestu-osus, burning hot (aestu-); ambiti-osus, ambitious (ambitu-); anim-osus, spirited (ānimo-); ann-osus, full of years, aged (anno-); āqv-osus, watery (āqva-); cālāmīt-osus, disastrous (for cālāmītāt-osus); call-osus, bard-skinned (callo-); capti-osus, ensnaring, captious (captu- or captiōn-); cāri-osus, decayed (cārie-); clāmosus, screaming (for clāmōs-osus); cōpi-osus, rich (cōpia-); crīmīn-osus, reproachful (crīmēn-); dōl-osus, crafty (dōlo-); ēbri-osus, a drunkard (ēbrio-); fām-osus, notorious for good or ill (fāma-); form-osus, shapely (forma-); frāg-osus, broken (for frāgōs-osus); fructu-osus, fruitful (fructu-); frūtīc-osus, full of shrubs (frūtēc-); gēnēr-osus, showing breed, well-born (gēnūs-); grāti-osus, influential (grātia-); herb-osus (poet.), grassy (herba-); ingēni-osus, clever (ingēnio-); invīdi-osus, exposed to odium (invidia-); jōc-osus, sportive (jōco-); luxūrī-osus, luxurious (luxūria-); mend-osus, faulty (men-da-); morb-osus, diseased (morbo-); mōr-osus, awayward, cross (mōs-, a whim); nīv-osus, snowy (nīvi-); nōd-osus, knotty (nōdo-); ōdi-osus, troublesome (ōdio-); offici-osus, dutiful, obliging (officio-); ōnēr-osus, burdensome (ōnūs-); ōti-osus, at leisure (ōtio-); pēcūni-osus, moneyed (pēcūnia-); pēricul-osus, dangerous (pēricūlo-); pernīci-osus, destructive (pernīcie-); pisc-osus (rare, Ov., Verg.), full of fish (pisci-); quāestu-osus, gainful (quāestu-); religi-osus, scrupulous (for religiōn-osus); silv-ōsus, wooded (silva-); sqvām-osus, scaly (sqvāma-); strīg-osus, thin (? strīga-, a swathe); stūdi-osus, zealous (stūdio-); suspīci-osus, suspicious (for suspiciōn-osus); sumptu-osus, costly (sumptu-); vent-osus, windy (vento-); ventri-osus, potbellied (ventri-); verb-osus, wordy (verbo-); vermin-osus (Plin.), full of worms (vermēn-); vīn-osus, wine loving (vīno-); vīti-osus, faulty (vītio-); and many others.

- o-ōso** *belli-cosus*, *war-loving* (*bello-*, comp. *bellicus*, adj.); ⁸¹⁴ *tēnēbri-cosus* (Cic., also *tenebrosus*, Verg., Ov.), *dark* (*tēnēbra-*, but Cic. in poetic translation has *tenebricus*).
- i-ōso** *formidō-lōsus*, *fearful* (*formidōn-*, the *n* being either dropped or changed into *l*).
- ic-ul-ōso** *febr-icūlosus* (Catull.), *feverish* (*febri-*, *febricula-*); *mēt-icūlosus* (Plaut.), *in fear* (*mētu-*); *sit-icūlosus* (Hor.), *parched* (*siti-*); *somn-icūlosus*, *drowsy* (*somno-*).
- u-ōso** Probably formed on a false analogy with *quæstu-osus*, &c.: *monstr-uosus*, *prodigious* (*monstro-*); *montu-osus*, *mountainous* (*monti-*, but cf. § 405); *vōluptu-osus* (Plin. *Ep.*), *pleasurable* (*voluptāt-*).
- i-oso** Probably formed on a false analogy with *odiosus*, &c.: *cūr-iosus*, *careful* (*cūra-*); *lābōr-locus*, *laborious* (*lābōs-*); *lusc-īt-i-osus* (or *lusc-iosus*), *purblind* (*lusco-*).
- en-si** Adjectives (some used as substantives) formed from names ⁸¹⁵ of places:

1. From appellatives: *amanu-ensis* (m. Suet. twice), *a secretary* (*a manu*); *atri-ensis* (m. sc. *servus*), *house steward* (*atrio-*); *castr-ensis*, *of the camp* (*castro-*); *circ-ensis*, *of the circus* (*circo-*); *fōr-ensis*, *of the forum* (*fōro-*); *frētense* (sc. *mare*), *the straits of Sicily* (*frēto-*); *Lātēr-ensis*, *properly of the bodyguard* (*lātūs-*); *Portu-ensis* (Cod. Theod.), *of the Port*, viz. Ostia (*portu-*); *prāt-ensis*, *of the meadows* (*prāto-*).

2. From proper names (which are given in brackets in the nom. case):

Alli-ensis (*Allia*); *Ambraci-ensis* (*Ambracia*); *Arīmimenses* (*Ariminum*); *Bononi-ensis* (*Bonōnia*); *Cann-ensis* (*Cannæ*); *Circei-ensis* (*Circei*); *Corfini-ensis* (*Corfinium*); *Cur-ensis* (*Cures*); *Herculan-ensis* (*Herculaneum*); *Hispal-ensis* (*Hispālis* or *Hispal*); *Hispāni-ensis* (*Hispānia*); *Narbon-ensis* (*Narbo*); *Osc-ensis* (*Osca* in Spain); *Osti-ensis* (*Ostia*); *Sicili-ensis* (*Sicilia*); *Veli-ensis* (*Velia*, (1) part of Palatine; (2) town in Lucania); *Volsini-ensis* (*Volsinii*); *Utic-ensis* (*Utica*); and others.

-i-en-si Probably from false analogy (with words in preceding section). They are rarely used.

Athēn-iensis (*Athenæ*); *Carthāgīn-iensis* (*Carthāgo*); *Corinth-ienses* (*Corinthus*); *Crotōn-iensis* (*Croto*); *Latīn-iensis* (*Latinus?*); *Rhōd-iensis* (*Rhodus*).

Compound stem-ending: *ēs-imo*, § 758. See also § 918.

iv. *Stems ending in -do.*

-do

1. *Adjectives:*

816

(a) From verbs with -e stems, the final e being changed to i. (The verb has been added in the following list only when not simple in form or evident in meaning.)

āci-dus, *sour*; albi-dus, *white*; algi-dus, *cold* (rare, except as name of mountain near Rome); āri-dus, *dry*; āvi-dus, *greedy*; cāli-dus or caldus (cf. Quint. I. 6. 19), *hot*; calli-dus, *crafty*; candi-dus, *white*; ēvāni-dus, *vanishing* (ēvāne-sc-ēre); fervi-dus, *glowing*; flacci-dus, *flaccid*; flōri-dus, *flowery*; foēti-dus, *stinking*; frigi-dus, *cold*; fulgi-dus, *glistening*; grāvi-dus, *heavy with child* (grāve-sc-ēre); horri-dus, *bristling, fearful*; langvi-dus, *languid*; liqvi-dus (§ 243), *clear*; livi-dus, *blue, envious*; lūci-dus, *bright*; mādi-dus, *wet*; marci-dus, *fading*; mūci-dus, *mouldy*; nīti-dus, *shining*; ōli-dus, *stinking*; palli-dus, *pale*; pāvi-dus, *frightened*; plāci-dus, *pleased, calm* (plācēre, *to be pleasing*); pūti-dus, *rotten*; putri-dus, *rotten*; ranci-dus, *rancid* (no verb, but present participle in Lucr.); rigi-dus, *stiff*; rūbi-dus (rūbidus, Plaut. twice), *red*; sordi-dus, *filthy*; sqvāli-dus, *squalid*; stūpi-dus, *amazed*; tābi-dus, *decaying*; tēpi-dus, *warm*; tīmi-dus, *timid*; torpi-dus, *benumbed*; torri-dus, *burning*; tūmi-dus, *swelling*; turgi-dus, *inflated*; vāli-dus, *strong*; ūmi-dus, *damp*; ūvi-dus or ūdus, *wet* (ūve-sc-ere).

(b) From verbs with -i or consonant stems:

cūpi-dus, *desirous* (cūpē-re); fluidus (flūvi-dus, Lucr.), *liquid* (flu-ēre); rābidus, *mad* (rābēre, comp. rābles); rāpi-dus, *hurried* (rāpē-re); vividus, *lively* (viv-ēre).

(c) From substantives or of obscure derivation:

absur-dus, *tuneless* (ab, sur-, comp. su-sur-rus, σῦρ-ίςειν: and for the meaning Cicero's expression 'vox absona et absurda,' Or. 3. 11); bardus, *stupid* (comp. βραδύς); claudus, *lame*; crū-dus, *raw* (crus-, *bard?* comp. crus-ta, κρύσ-ταλλος. κρύ-ος); fidus, *faithful* (comp. fid-es, perfid-us); foedus, *foul* (comp. foetēre, foēti-dus); fordus (cf. § 134), *pregnant*; fūmi-dus, *smoky* (fūmo-); gēli-dus, *icy* (gēlu-); herbi-dus, *grassy* (herba-); hispidus, *shaggy* (comp. hir-tus, hirsūtus); lēpidus, *charming* (from presumed lēpēre; comp. lēpōs-); limpi-dus (Catull., Col.), *clear* (lymphe? comp. λάμπειν); lūridus, *ghastly yellow* (comp. lūror, Lucr.); morbi-dus, *diseased* (morbo-); nūdus, *naked*; sōli-dus, *firm* (sōlo-, *ground*); stōli-dus, *stockish, stupid* (comp. stōlōn-, *a useless sucker*); svādus, *persuasive* (svādēre); sūci-dus, *juicy* (sūco-); sūdus, *dry* (se, udo-?); sur-dus, *deaf*; tardus, *slow* (comp. trāh-ēre, *to drag?*); trēpidus, *scarred, flurried* (comp. trēmēre); turbī-dus, *disturbed* (turba-); vāpi-dus, *flat, spoiled* (vāpōs-, from a presumed vāpēre).

2. *Substantives:*

(a) Masculine: cādus, *a cask*; gurdus, *a dolt* (Spanish word

acc. to Quint. I. 5. 57); *hædus*, a goat; *lūdus*, a game; *mōdus*, a measure; *nīdus*, a nest; *nōdus*, a knot; *turdus*, a *fi:ldfare*; *vērēdus* (Mart.), a *bunter* (horse).

(b) Feminine: *ālanda*, a lark (Keltic); *aplūda*, chaff; *bas-cauda*, a basket; *cassida* (usually *cassis*), a helmet; *cauda*, a tail; *cīcāda*, a grasshopper; *crēplāda*, a sandal (from κρηπίδ-); *merda*, dung; *præda*, booty; *ræda*, a four-wheeled carriage (Keltic; cf. Quint. I. 5. 57); *tæda*, a torch.

(c) Neuter: *essēdum*, a gig (Keltic); *lārīdum* (*lardum*), bacon; *oppīdum*, a town (comp. ἐπίπεδον?); *pēdum*, a shepherd's crook; *vādum*, a shoal, ford.

-un-do or -en-do 1. Verbal adjectives:

(a) As gerundive: for use see Book IV. Chap. XIV. and 817 Appendix to Syntax. On their formation see §§ 617, 618.

āma-ndus, to love or to be loved (*āmāre*); *audi-endus* (*audire*); *capī-endus* (*cāpēre*); *sign-endus* (*gi-gn-ere*); *mōn-endus* (*monēre*); *nasc-endus* (*nasci*); *rēg-endus* (*rēgēre*); *tribu-endus* (*tribu-ere*); and so from all transitive verbs (§ 1186).

(b) As present participle (without an object accusative) or ordinary adjective:

blandus, soothing (comp. *fīāre*); *infandus*, *nēfandus*, unspeakable (*fāri*); *mundus*, clean; *ōri-undus*, arising (*ōri-ri*); *pandus*, crooked; *rōt-undus*, round (comp. *rōt-āre*); *sēcundus*, following, hence second (*sēqvi*); *volv-endus*, rolling (*volv-ere*).

(2) Substantives:

(a) Masculine: *fundus*, a landed estate, the bottom; also an authoriser; *mundus*, ornaments, also the universe (as transl. of κόσμος).

(b) Feminine: *funda*, a sling (*fund-ere*?); *Kālendæ* (pl.), the first of the month (summoning day? comp. *cālāre*, καλεῖν); *menda*, (Ov.), *mendum* (Cic.), a fault; *mērenda* (dinner); *sponda*, a bedstead; *turunda*, a paste-ball; *suggrunda*, the caves; *unda*, water.

-ēb-undo or } Adjectives, originally gerundives:
-īb-undo }

818

frēm-ēbundus, muttering (*frēm-ere*); *fūr-ībundus*, raging (*fur-ere*); *lascīv-ībundus* (Plaut. *Stich.* 288), playful (*lascīvī-re*); *lūd-ībundus*, sporting (*lūd-ere*); *mōr-ībundus*, dying (*mōri*, *mōrīri*); *pūd-ībundus*, bashful (*pūd-ere*); *qvēr-ībundus*, plaintive (*quērī*); *rīd-ībundus*, laughing (*rīd-ere*); *trēm-ēbundus*, trembling (*trēm-ere*).

-āb-undo From verbs with -a stems. Many of these forms are 819 found only in Livy and post-Augustan historians.

comissā-bundus, revelling; *contīōnā-bundus*, haranguing; *cunctā-bundus*, hesitating; *dēlibēra-bundus*, deliberating; *dēprēcā-bundus*, deprecatingly; *errā-bundus*, wandering about; *grātulā-bundus*,

making congratulations; hæsītā-bundus (Plin. *Ep.* once), *besitating*; *indignā-bundus*, *indignant*; *lācrimā-bundus*, *weeping*; *lurchinā-bundus* (only in Cato; cf. Quint. 1. 6. 42), *voracious*; *mēditā-bundus* (Just.), *in meditation*; *minītā-bundus*, *threatening*; *mirā-bundus*, *in wonder*; *noctuā-bundus* (Cic. once), *by night* (noctu-; noctuāre not found); *osculā-bundus* (Suet.), *kissing*; *pērēgrinā-bundus* (Liv. once), *travelling about*; *plōrā-bundus*, *be-wailing*; *pōpūlā-bundus*, *wasting*; *prædā-bundus*, *pillaging*; *spēcūlā-bundus*, *on the watch*; *tentā-bundus*, *making a trial*; *tuburchinā-bundus* (Cato, see above), *gobbling*; *vērērā-bundus*, *showing reverence*; *versā-bundus*, *whirling*; *vītā-bundus*, *avoiding*; *vōlūtā-bundus* (Cic. fragm.), *wallowing*.

-c-undo Adjectives, probably gerundives from *inchoative* stems: 820 all have the preceding syllable long (except *rubicundus*).

fā-cundus, *eloquent* (fā-ri); *fē-cundus*, *fruitful* (comp. fē-mina, fē-tus); *irā-c-undus*, *angry* (irasc-i); *jū-cundus*, *pleasant* (jūv-āre); *rūbī-cundus*, *ruddy* (rūbēre); *vērē-cundus*, *bashful* (vērēri).

V. *Stems in -du, -di, -d.*

-du See § 397.

-di *ædes* (f.), *a hearth? a chamber* § 331 (comp. æs-tu-, αἶθευ); 821 *cædes* (f.), *slaughter*; *clādes* (f.), *disaster*; *fīdis* (f.), *a harp-string*; *fraus* (f.), *cheating*; *frons* (f.) *a leaf*; *glans* (f.), *an acorn* (comp. βάλανος and § 765); *grandis*, *large*; *juglans* (f.), *a walnut*; *lendes* (f. pl.), *nits*; *pēdis* (m. f.), *a louse*; *rūdis*, (1) *rude*; (2) f. *a spoon, a foil*; *sēdes* (f.), *a seat* (sēdēre); *sordes* (f. pl.), *dirt*; *sūdis* (f. § 421), *a stake*; *trūdes* (f. pl.), *pikes* (comp. trūdēre?); *vīrī-dis*, *green* (vīrēre).

-ūd *pēcus* (f.), *a head of cattle* (comp. pēcu-, pēcōr-). 822

-ēd (-īd) *cāpis* (f.), *a sacrificial bowl* (cāpēre?); *cassis* (f.), *a helmet*; *cuspis* (f.), *a spear-point*; *lāpis* (m.), *a pebble*; *promulsis* (f.), *a whet for the appetite* (lit. *preliminary draught?*) (pro-, mulso-).

-ōd *custos* (n.), *a guardian*.

-ūd *palus* (f.), *a marsh*.

-ēd *cuppes* (only in nom. sing.), *a glutton*; *hēres* (m.), *an heir*; *merces* (f.), *wages* (comp. merci-).

-d *cor* (n.), *a heart* (comp. καρδ-ία); *laus* (f.), *praise*; *pes* (m.), *a foot* (comp. ποδ-, nom. ποὺς); *præs* (m.), *a bail*; *vās* (m. f.), *a bail*.

Compound stem-endings: **-dōn**, **-ūdōn**, **-tūdōn**, **-ēdōn**, **-īdōn**, §§ 846—848; **-ēdūlo**, § 865; **-ndio**, § 933.

CHAPTER VI.

DENTAL NOUN-STEMS (*continued*).

vi. Stems ending in -no.

-no or -ino (For all words (except numerals) with long vowel preceding -no see §§ 830—842.)

1. Adjectives:

(a) *bōnus*, good; *concinuus*, neat; *dignus*, worthy; *hornus*, of this year (*ho-ver-*, *this spring*); *mag-nus*, great (comp. *māg-is*); *nōnus*, ninth (for *nōvī-nus*? but see § 754); *plā-nus*, level (comp. *πλάξ*); *pērendī-nus*, of a day hence (comp. *πέραν*, die-); *ver-nus*, of spring (*vēr-*); *ūnus*, one.

(b) Distributive numerals (rarely used in singular): *bi-nus*, two-fold, two each (*bi-*); *ter-nus* or *tri-nus* (*ter*, *tri-*); *qvāter-nus* (*qvāter*) and (Varr., Plin.) *qvadrīnus* (*qvator*); *qvi-nus* (for *qvinqvī-nus*, *qvinc-nus*, *qvinque*); *sē-nus* (*sex*); *septē-nus* (for *septem-nus*, *septen-nus*); *octō-nus* (*octo*); *nōvē-nus* (for *nōvem-nus*); *dēnus* (for *dēcīminus*? *dec-nus*); *vīce-nus*, twenty each (for *vicent-nus*, *viginti*); *trīcē-nus*, thirty each (*triginta*), &c.; *centē-nus*, a hundred each (for *centum-nus*, the vowel being assimilated to what is found in others); *dūcē-nus*, two hundred each (for *ducent-nus*); *trēcēnus*, three hundred each (*trēcent-*); *qvadrīngē-nus*, four hundred each (*qvadrīngent-*), &c. See Appendix.

(c) From names of trees and other materials: *ācer-nus*, of maple (*ācer-*); *ādāmāntī-nus*, hard as diamond (*ādāmantivos*); *āmārācī-nus*, of marjoram (*āmārāco-*); *cērāsī-nus* (Petron.), cherry-coloured (*cērāso-*); *coccl-nus*, scarlet (*cocco-*); *cōlur-nus*, of bazel (for *cōrūlī-nus*, *cōrūlo-*); *ēbur-nus*, of ivory (*ēbōr-*); *ferrūgīn-us* (Lucr. once), bluish-green (*ferrūgōn-*; *ferrugineus* is more usual); *qver-nus*, oaken (for *qvercī-nus*, *qvercu-*). See also *salīg-nus*, &c., § 826.

2. Substantives:

824

(a) Masculine: *ācīnus*, a berry; *agnus*, a lamb; *annus*, a year; *ānus*, a ring; *āsīnus*, an ass; *cāchīnnus*, a laugh (comp. *καχάζειν*); *cīrcī-nus*, a pair of compasses (*cīrco-*); *dōmīnus*, a lord (*dōmāre*); *furnus*, an oven; *gīnnus* or *hīnnus*, a mule, the mother being an ass

(comp. γίννος, ἴννος); **mannus**, a coach horse (Keltic?); **pampinus**, a vine-shoot; **pannus**, a piece of cloth (comp. πῆνος); **pānus**, (1) thread on the bobbin, (2) a swelling (from πῆνος?); **pugnus**, a fist (comp. πύξ, πυγμή); **ricinus**, a sheep tick; **som-nus**, sleep (comp. söp-or); **sōnus**, a sound; **sturnus**, a starling; **tabanus**, a gadfly; **tornus**, a lathe (torqvēre, comp. τόπος).

verna, a house slave.

(b) Proper names (some are Etruscan): **Cinna**; **Perpenna** or **Perperna**; **Porsenna** (Verg.), **Porsēna** (Hor., Mart., Sil.); **Saserna**; **Sisenna**; **Spurinna**; **Thalna**; **Vivenna**. Cf. § 838 c.

(c) Feminine: **alnus**, an alder; **cornus**, a cornel tree; **fraxinus**, an ash tree; **ornus**, a mountain ash; **vannus**, a winnowing fan.

acna, a plot 120 feet square; **angina** (L. Müll.), quinsy (comp. ἀγχόνη, angēre); **antenna**, a sailyard; **fascī-na**, a rush basket (fisco-); **fuscina**, a three-pronged spear (comp. furca); **gēna**, a cheek (comp. γένυς, a jaw); **nundī-næ** (pl.), market-day (nōno-, diē-); **pāgina**, a leaf of a book, &c. (comp. pangēre); **pātī-na**, a dish (pātēre? comp. πατάνη, Sicil. βατάνη); **penna**, a wing (in old Latin pesna or petna; comp. πέτεσθαι); **perna**, a ham; **pinna**, a feather; **pugna**, a battle (comp. pugnus); **runcina** (generally given as runcina), a planing instrument (comp. runcāre, ρυκάνη); **sanna**, a grimace (comp. σαννᾶς); **sarcina**, a bundle (sarcīre, to close); **sqvatina**, a skate-fish (comp. sqvālus, a fish); **transenna**, a net; **ulna**, an arm (comp. ὠλένη); **urna**, a pitcher (comp. ūrēre, to burn).

(d) Neuter: **cornum** (more frequently cornu), a horn (comp. κέρας); **fascinum**, a charm (comp. βάσκανος); **lignum**, firewood (lig-āre?); **pastinum**, a two-pronged fork; **pēnum** (§ 398), a store of provisions, &c.; **reg-num**, a kingdom (rēg-ēre); **scamnum**, a bench (comp. scab-illum); **signum**, a seal; **stagnum**, a pool, pent up water? (comp. στεγανό-); **stannum**, an alloy of silver and lead; **tignum**, a beam.

-mīno } This suffix in Greek forms participles middle and passive; § 25
-mno } e.g. τυπτ-όμενος, τυψ-όμενος, τετυμ-μένος, &c.

ær-umna, sorrow (αἰρομένη, excited mind); **al-umnus**, a nursling (āl-ēre); **autumnus**, Autumn (the increasing year, auctu-); **Clitumnus**, a river in Umbria; **cōlumna**, a column (comp. cul-men, cel-sus); **da-mnum**, a loss (properly a gift, dā-re; or akin to δαπάνη); **fēmina**, a woman (comp. fe-tus, &c. § 800); **gēminus**, twin; **lāmmīna** (lamna), a plate of metal; **terminus**, a bound (comp. τέρμα); **Vertumnus**, the god of change (vert-ēre).

The same suffix is seen in the 2nd pers. plur. of indicative and subjunctive passive of tenses formed from present stem: e.g. amā-

mini, amabimini, amabāmini, amēmini, amarēmini, § 572: and in an old sing. imperative form; e.g. *præfamino*, § 587.

Compare also -mēn, § 850.

-gīno } Some are probably compounds with stems of *gen-*,⁸²⁶
-gno } *gi-gn-ēre*; others have a *c* turned into *g* by the influence
of the nasal; others are formed on their analogy.

ābie-gnus, of *fir* (*ābiēt-*); *āpru-gnus* (Plaut., Plin.), of *wild boar* (*āpro-*); *bēni-gnus*, *kindly, liberal* (*well-born?* *bēnē-gēn-*); *fabaginus* (Cato), of *beans* (*fāba-*); *ilīg-nus*, of *holm oak* (*ilēc-*); *ōlēaginus*, of *the olive* (*ōlea-*); *māli-gnus*, *stingy* (*māle-gēn-*); *prīvi-gnus* (subst.), *born from one parent only, i.e. a stepson* (*prīvo-gēn-*); *sālig-nus*, of *willow* (*sālic-*).

For *terrigena*, &c. see § 995; for *magnus*, *dignus*, § 823.

-tīno Adjectives: *anno-tinus*, *a year old?* (*anno-*); *cras-tinus*,⁸²⁷
of *to-morrow* (*cras*); *diū-tinus*, *long continued* (*diu*);
horno-tinus, of *this year* (*horno-*); *pris-tinus*, of *former times*
(*prīus*; comp. *magis* for *magius*); *sēro-tinus* (Plin., Col.), *late*
(*sēro-*).

-ur-no *diur-nus*, *by day* (*dius-*, *dies-*, § 341 n., comp. *nūdius*; or ⁸²⁸
for *diov-ērīnus?*); *diut-urnus* (in Ovid always *diūtur-*
nus), *for long* (comp. *diūt-ius*); *laburnum*, *broad-leaved trefoil*;
noctu-rnus, *by night* (*noctu-*); *Sāt-urnus* (*Saeturnus*), *god of pro-*
duce? (*sāto-*, *sē-rēre*); *tācīturnus*, *silent* (*tācīto-*); *vīburnum*, *the*
wayfaring tree.

-er-no *cāverna*, *a cave* (*cāvo-*); *cīsterna*, *a reservoir* (*cīsta-*);
fūsterna, *the knotty part of a fir-tree* (*fustī-*, *a club*);
gūberna (pl.), *rudders* (comp. *κυβερνᾶν*); *hīb-ernus*, *in winter*
(*hiēm-*, cf. § 86. 5); *hōdiernus*, of *to-day* (*ho-*, *dius*, or *die-*); *infer-*
nus, *below* (*infēro-*); *lācerna*, *a cloak*; *Lāverna*, *goddess of gain*;
lūcerna, *a lamp* (comp. *lūci-*, *lūcēre*); *sūper-nus*, *above* (*sūpēro-*);
tāb-erna, *a booth* (from *tāb-ūla*, *a plank?*). See also § 823 c.

-ter-no i.e. -no suffixed to stems in -tēro or -trī, or to adverbs ⁸²⁹
in -ter. In some the *t* perhaps is radical.

æ-ternus, *for ever* (*ævo-*, comp. *æ-tat-*); *al-ter-nus*, *alternate,*
every other (*al-tero-*); *ex-ternus*, *outside* (*ex-tero-*); *frāternus*, of *a*
brother (*frāter-*, comp. *φράτερ*); *hes-ternus*, of *yesterday* (comp.
hērī, *χθές*); *in-ter-nus*, *inside* (*in-ter*); *lanterna* (*lāterna*), *a lan-*
tern; *māter-nus*, of *a mother* (*mater-*); *nassiterna*, *a watering pot*
(said to be from *naso-*, *terno-*, *with three noses*); *pāternus*, of *a*
father (*pāter-*); *sempiternus*, *everlasting* (comp. *semp-er*, § 540);
vēter-nus, *lethargy* (*vētis-*).

-āno

1. Adjectives:

830

(a) with *ā* as stem vowel: *cānus*, hoary; *sā-nus*, sound (comp. *σάος*); *vā-nus*, empty (comp. *vāc-uus*).

(b) from appellatives:

āpi-anus, of bees; name of Muscatel grape (*āpi-*); *arc-anus*, secret (comp. *arca-*, *arcēre*); *Camp-anus*, of the plain, a Campanian (*Campo-*); *castell-anus*, of a fortress (*castello-*); *decūmanus*, of the tenth (e.g. a tithe farmer; a soldier of the tenth legion, &c.: *dēcūma-*); *font-anus*, of the spring (*fonti-*); *germanus*, of the full blood; *hūm-anus*, of man (*hōmōn-*); *insūl-anus* (Cic. once), of an island (*insūla-*); *Lātēr-anus*, a family name (*lātēr-*?); *mēridi-anus*, of midday, southern (*meridie-*); *mont-anus*, of the mountains (*monti-*); *mund-anus*, of the universe (*mundo-*); *nōn-anus* (Tac.), of the ninth legion (*nōna-*); *oppid-anus*, of the town (*oppido-*); *pāg-anus*, of a village (*pāgo-*); *prīdi-anus*, of the day before (*prīdie-*); *prīm-anus*, of the first legion (*prima-*); *public-anus*, of the public revenue (*publico-*); *pūte-anus* (Plin., Col.), of a well (*pūteo-*); *qvōtīdi-anus*, daily (*quotidie-*); *rustic-anus*, of the country (*rustico-*); *urb-ānus*, of the city (*urbi-*); *vētēr-anus*, old, veteran (*vētūs-*); *vīc-anus*, of a hamlet (*vīco-*).

from proper names; (c) of places: *Afric-anus*, of the province among the Afri (*Afri-ca*); *Alb-anus* (*Alba*); *Allif-anus* (*Allifæ*); *Atell-ānus* (*Atella*); *Coriol-anus* (*Cōriōli*); *Cūm-anus* (*Cumæ*); *Fregell-anus* (*Fregellæ*); *Fund-anus* (*Fundi*); *Gallīc-anus*, of the province among the Gauls (*Gallica-*); *Lābīc-anus* (*Labicum*); *Pæst-anus* (*Pæstum*); *Pūteōl-anus* (*Pūteoli*); *Rōm-anus* (*Roma*); *Sarranus*, *Sarranus*, of Tyre (*Sarra*); also a surname of the Atilian clan; i.q. *Serranus* (Momm. C. I. R. No. 549); *Sīlanus*, surname of Julian clan (*Sīla?* but cf. *Lucr. 6. 1265*); *Syracus-anus* (*Sýrācūsæ*); *Thēb-ānus* (*Thebæ*); *Tuscūl-anus* (*Tusculum*); and others.

(d) of persons: *Cinn-anus* (*Cinna*); *Sull-anus* (*Sulla*).

(e) Compounds formed immediately from a preposition and its case:

antēlūc-anus, before daylight (*ante lucem*); *antemerīdi-anus*, in the forenoon (*ante meridiem*); *antesign-anus*, in front of the standards (*ante signa*); *circumpād-anus*, round the Po (*circum Padum*); *cisrhēn-anus*, on this side of the Rhine (*cis Rhenum*); *pōmēridi-anus*, in the afternoon (*post meridiem*); *subsign-anus*, of the reserve (*sub signis*); *suburb-anus*, near the city (*sub urbem*); *transmont-anus*, beyond the mountains (*trans montes*); *transpād-ānus*; *transrhēn-ānus*.

2. Substantives: (a) *ānus* (see § 824); *Diana*, the goddess of ⁸³¹ the day (*die-*); *Jānus* (for *Dianus*), the god of the day, *fānum*, a

sbrine (fā-ri); *grānum*, a grain; *lāna*, wool (comp. λάχνη); *membr-āna*, skin (membro-); *pānus* (see § 824); *qvartāna*, sc. *febris*, a quartan ague (*qvarta*-); *rā-na*, a frog (comp. *rā-vus*, boary); *Sily-ānus*, the wood god (*silva*-); *Volcanus*, the fire god.

-l-āno Adjectives in *-anus*, derived from stems, chiefly of proper names, with suffix *-lo*:

Acci-anus, of *Accius* (*Accio*-); *Æmili-anus*, belonging to the *Æmilian* clan (*Æmilia*-); *Asi-anus*, of *Asia* (*Asia*-); *Cæsāri-anus*, belonging to *Cæsar's* (*Cæsareus*, of *Cæsar*; e.g. *Cæsaris* or *Cæsarea celeritas*, *Cæsar's quickness*; *Cæsariana celeritas*, quickness, like *Cæsar's*); *Cicero-ianus*, of *Cicero* (*Cicērōn*-); *Claudi-anus*, of a *Claudius* (*Claudio*-); *Fābi-anus*, of a *Fabian*, or of the *Fabian* clan (*Fabio*-, *Fabia*-); *Mari-anus*, of *Marius* (*Mārio*-); *Milōn-ianus*, of *Milo* (i.q. *Milonius*); *Orcīni-anus* (*Mart.*), of a dead man (*Orcinus*, a dweller with death, *orco*-); *Pompei-anus*, of *Pompeius* (*Pompelo*-); *prætōri-anus*, of the *prætor's* camp (*prætorio*-); *Sejanus* (*Seio*-); *Summōnianus*, of a dweller in *Underwall* (*summōnio*-); *Tibēri-anus*, of *Tiberius*; *Terenti-anus*, of *Terentius* (*Terentio*-); *Trajanus*; and others.

-it-āno Probably from the Greek suffix *-ιτης*, or in analogy therewith. (Properly it denotes of the people of:)

Antipolitānus, of *Antipolis* (*Antipoli*-); *Gāditanus*, of *Gades*, i.e. *Cadiz* (*Gadi*-); *Massilitānus*, of *Marseilles* (*Massilia*-); *Panormitānus*, of *Panormus* (*Panormo*-); *Taurōmēnitānus*, of *Tauromenium* (*Tauromenio*-); *Tōmītanus*, of *Tomi* (*Tōmo*-).

-ōno 1. Adjectives: *prōnus*, headlong, with face forward (*pro*-). 834

2. Substantives: (a) Masc. and neut.: *cōl-onus*, a farmer (*cōl-ere*); *donum*, a gift (*dā-re*); *patr-onus*, a patron (*patr*-).

(b) Feminine: *annona*, the year's supply of corn (*anno*-); *Bellona*, the war goddess (*bello*-); *caupona*, a tavern (*cōpa*-, *caup-ōn*-); *cōrona*, a crown; *Lātona*, a goddess (comp. Ἀήτω); *matrona*, a married woman (*mātr*-); *persona*, a mask (*persōnāre*?); *Pōmona*, Fruit goddess (*pōmo*-).

For *octonus*, *nonus* (whence *nōnæ*, pl. the ninth day) see § 823 a.

-pōno *āmōnus*, pleasant; *pōna*, a penalty (comp. *pūnīre*).

-pno 1. Adjectives: *importunus*, unseasonable (without a port? 835 in, *portu*-); *jējunus*, fasting; *opportunus*, in front of the port, ready at hand (*ob portum*).

2. Substantives: *cūnæ* (pl.), a cradle (for *cūbīnæ*? *cūb-āre*); *fortuna*, fortune (*forti*-; comp. *nocti*-, *noctu*-); *lācuna* (or *lūcuna*), a hole (*lācu*-); *Neptunus*, the sea god (perhaps *νιπτόμενος*, § 825);

Portunus, god of harbours (*portu-*); *pruna*, a live coal; *prunum*, a plum; *tribunus*, a tribe's chief (*tribu-*); *Vācuna*, a Sabine goddess (comp. *vācāre*, *vācuus*).

-ēno } 1. Adjectives: *aenus* (or *āhenus*), of bronze (for *æs-* 836
-ēno } *nus*, from *æsi-*: the Umbrian has *ahesnes*); *ālienus*, of
another, alien (*ālio-*); *ēgēnus*, needy (*ēgēre*); *obscēnus*, illboding;
plēnus, full (comp. *plēre*); *sērenus*, calm; *terrēnus*, earthly (*terra*).

Abūdenus, of *Abydos* (*Abūdo*); *Cȳzīcenus*, of *Cyzicos* (*Cȳzīco*).

For *vicēnus* and other numerals see § 823 b.

2. Substantives: (a) feminine: *āvena*, oats; *camena* (*casmena* acc. to Varro), a Muse (comp. *car-men*); *cātena*, a chain; *cēna* (*cesna*, Fest.), supper; *crūmena*, a purse; *gālena*, lead ore; *hābena*, a rein (*hābēre*); *hārena*, sand; *lāna*, a cloak (comp. *χλαῖνα*, § 110. 3); *lāniena*, a butcher's stall (*lānio-*); *lena*, a bawd; *strena*, an omen, a new year's gift; *vena*, a vein; *verbenæ* (pl.), boughs of myrtle, &c. used in religious acts.

(b) Neuter: *cænum*, mud; *fænum* (*fœnum*), hay; *frēnum*, a rein; *vēnenum*, poison; *venum* (only in accus. § 369).

-ī-ēno i.e. -ēno suffixed to stems in -īo. 837
Proper names: *Aufīdienus*, *Avidienus*, *Cātienus*, *Labienus*,
Nāsīdienus, *Vettienus*, and others.

-īl-ēno *cantīlena*, a tune (*cantu-*).

-īno (In some of the following words the length of the *i* is 838
not proved.)

1. Adjectives: (a) from appellatives:

ādultērinus, spurious (*adultēro-*); *agninus*, of a lamb (*agno*); *ānātinus* (Plaut., Petr.), of a duck (*ānāt-*); *angvinus*, of a snake (*angvi-*); *ansērinus* (Plin., Col.), of a goose (*ansēr-*); *āprinus*, of a wild boar (*āpro-*); *āriētīnus* (Plin.), of a ram (*āriēt-*); *austīnus*, southern (*austro-*); *cāninus*, of a dog (*cān-*); *cāprinus*, of a goat (*capro-*); *cervinus*, of a deer (*cervo-*); *collinus*, of a hill (*collī-*); *cōlumbinus*, of a dove (*cōlumbo-*); *cōqvīnus*, of a cook (*cōqvo-*); *corvinus*, of a raven (*corvo-*); *dīvinus*, of a god (*dīvo-*); *ēqvīnus*, of a horse (*ēqvo-*); *fēmīnus*, of a woman (*fēmīna-*); *festinus*, hasty (comp. *con-fes-tim*); *fūrinus* (Plaut. once), of a thief (*fūr-*); *gēnuīnus*, of a jaw (comp. *γένυς*); *native* (*gi-gn-ēre*); *hircīnus*, of a goat (*hirco-*); *īnōpīnus*, unexpected (comp. *opīnāri*); *leōnīnus*, of a lion (*leōn-*); *lēpōrinus*, of a hare (*lēpōs-*); *lūpinus*, of a wolf (*lūpo-*); *mārinus*, of the sea (*māri-*); *masculīnus*, of a male (*masculō-*); *mīluīnus*, of a kite (*mīluo-*); *pērēgrīnus*, of abroad (*pērēgre*); *porcīnus*, of a pig (*porco-*); *sōricīnus* (Plaut. once), of a shrew

mouse (sörēc-); *sūpinus*, *with face upward*; *taurinus*, *of a bull*; *ursinus*, *of a bear* (urso-); *verrinus*, *of a boar pig* (verri-); *vētērinus*, *of beasts of burden* (comp. vēhēre); *vicinus*, *of the street, neighbour* (vico-); *vitūlinus*, *of a calf* (vitūlo-); *volpinus*, *of a fox* (volpi-); and others.

(b) From proper names of places: *Albinus*, a cognomen of the Postumian clan (Alba?); *Alpinus* (Alpes, pl.); *Aricinus* (Aricia); *Cāpitōlinus* (Cāpitōlium); *Caudinus* (Caudium); *Collātinus* (Collatia); *Esquvīlinus* (Esquvīliæ); *Fērentinus* (perhaps for Ferentinus from Ferentinum); *Lānūvinus* (Lanuvium); *Lātinus* (Latium); *Mēdullinus* (Medullia); *Pālātinus*, but in Martial *Pālātinus* (Palatium); *Prænestinus* (Prænestē); *Reātinus* (Reate); *Rhēginus* (Rhegium); *Tārentinus* (Tarentum); *Vēnūsinus* (Venusia); and others.

Aventinus, *Qvirinus*, *Sabinus*, are of uncertain origin.

(c) From proper names of persons; chiefly from such as were originally appellatives:

They are used as substantives, being surnames:

Albinus (Albus); *Antōninus* (Antōnius); *Aqvīlinus* (Aquila?); *Atrātinus* (Atratus?); *Augūrinus* (Augur); *Augustinus* (Augustus); *Cæsōninus* (Cæso); *Calvinus* (Calvus); *Cicūrinus* (Cicur); *Corvinus* (Corvus); *Crispinus* (Crispus); *Flāmininus* (Flaminius or flāmen?); *Frontinus* (Fronto?); *Justinus* (Justus); *Lactūcinus* (Lactuca); *Lævinus* (Lævus); *Longinus* (Longus); *Luscinus* (Luscus); *Mācērinus* and *Macrinus* (Macer); *Mamercinus* (Mamercus); *Mancinus* (Mancus); *Marcellinus* (Marcellus); *Messallinus* (Messalla); *Mētellinus* (Mētellus); *Pætinus* (Pætus); *Plautinus* (Plautus); *Rūfinus* (Rufus); *Saturninus* (Sāturnus); *Sextinus* (Sextus or Sestus); *Tricipitinus* (triceps); and some others.

Compare *orcinus*, *of Orcus or death* (Orcus); *Plautinus*, *of Plautus* (Plautus).

2. Substantives:

8.

(a) Masculine: *concūbinus* (concubina), *a concubine* (com. cūb-āre); *inqvīl-inus*, *a lodger* (in cōl-ere); *lūpinus*, *a lupine*; *pulvinus*, *a cushion*; *sobrinus* (sobrina f.), *a second cousin, sister's child?* (sörör-).

Cæcina (Cæcus); *Canina* (canis?); *Porcina* (porca?).

(b) Feminine: *carpinus* (-inus?), *the hornbeam*; *pinus* (cf. § 398), *a pine tree* (for pic-nus? cf. § 110, 1; and comp. πίνος); *sapinus* (-inus?), *a kind of pine tree*; *sinus* (sinum), *a tankard*.

arvina (Verg.), *grease*; *cæpina* (Col.), *an onion bed* (cæpa-); *cārīna*, *a keel*; *carnificina*, *place of torture, torture* (carnifex); *fārina*, *meal* (comp. farr-); *fōdinæ* (pl.), *mines* (fōdē-re); *gallina*, *a hen* (gallo-); *lāpicīdinæ* (pl.), *stone quarries* (lapid-, cæd-āre); *nāpina*

(Col.), a *colza* or *coleseed bed* (nāpo-); ōpificina (Plaut.), *officina*, a *workshop* (officio-, § 929 a); pāriētīnæ? (parietīnæ?), *ruins* (pāriēt-); piscina, a *fish-pond* (pisci-); pōpina, a *cookshop* (cf. cōqvo-, § 118. 2); porrina (Cato), a *leek bed* (porro-); pruina, *hoarfrost* (comp. pro, prae, πρωί); rāpina, *pillage* (rāpē-re); rāpina, *turnip* (rāpo-); rēgina, a *queen* (rēg-); rēsina, *resin* (ῥητίνη); ruina, a *fall* (ru-ēre); sāgina, *stuffing, food* (comp. σάρτειν); sālinæ, pl. (also sālinum), *saltpits* (sāl-, sālīre); scobina, a *rasp* (scāb-ere); spina, a *thorn* (for spīcina, from spīca-); vāgina, a *sheath*; urina, *urine* (comp. οὔρον).

Agrippina (Agrippa); Faustina (Faustus); Plancina (Plancus).

(c) Neuter: cātīnum (also catinus, m.), a *dish*; līnum, *flax*; vinum, *wine* (comp. vī-tis, vīēre, to *twine*).

-c-ino Cloācina, *goddess of sewers* (cloāca); medī-c-ina, *medical* 840 art (medīco-, mēdēre); mortī-cinus (adj.), *carrion* (morti-).

-t-ino 1. Adjectives: clandestīnus, *secret* (comp. clam); intestīnus, *internal* (intus); libertīnus, *of the class of freed-men* (liberto-); mātūtīnus, *in the morning* (mātūta, the *dawn*); mēdi-astīnus, *from the middle of the city*, hence a *drudge* (medio-, ἄστυ); pauper-tīnus (Varr., Gell.), *poor* (paupēr-); rēp-entīnus, *sudden* (repenti-); vesper-tīnus, *of the evening* (vespēr-).

For proper names see § 838 b. c.

2. Substantives: cortina, a *boiling pot*; Libītina, *goddess of funerals*; sentina, *bilge-water*.

-līno cūlina, a *kitchen* (for coc-līna? coqvo-); disciplīna, *train-* 841 *ing* (disc-īp-ūlo-, discēre); sterqvlīnum (Phædr.), a *dungheap* (for stercōrinum? stercōs-); tablinum, a *registry* (tābūla-).

-tr-ino From stems in -tor. (For the omission of ō compare 842 the ending -trīo, § 782.)

doc-tr-ina, *learning* (dōcēre); lā-tr-ina (lāvātrina), a *privy* (lāvāre); pis-tr-inum, a *mill*; pis-tr-ina, a *bakehouse* (pis-ēre, to *pound*); sū-tr-ina, a *cobbler's shop* or *trade* (su-ēre); tex-tr-inum, *weaving* (tex-ēre); tons-tr-ina, a *barber's shop* (tondēre).

vii. Stems ending in -ni, -n.

843

-ni 1. Adjectives: immānis, *wild* (in, māno-; "in carmine Saliari Cerus manus intelligitur creator bonus," Festus, p. 122, Mull.); inānis, *empty*; mūnis (rare), *obliging* (comp. mūnus); omnis, *all*; segnīs, *lazy*; sollemnis, *customary*.

2. Substantives: **amnis** (m.), *a river*; **clūnis** (m. f.), *a haunch*; **crīnis** (m.), *hair*; **finis** (m. f.), *a boundary* (for **fid-nis**, **find-ere**); **fūnis** (m.), *a rope*; **ignis** (m.), *fire*; **māne** (n.), *the morning*; **mānes** (m. pl.), *the spirits below*; **moenia** (n. pl.), *walls*; **mūnia** (n. pl.), *duties* (same as **moenia**); **pānis** (m.), *a loaf of bread*; **pēnis** (m. for **pes-nis**; comp. **πέος**, **πόσ-θη**); **rēnes** (m. pl.), *kidneys*.

On **cānis** (m. f.), *a dog*, see § 448.

-ōn (-īn) Substantives: **cāro** (f.), *flesh* (comp. **κρέας**); **hōmo** (m. ⁸⁴⁴ also **hēmo**, § 449, and with old stem in **-ōn**), *a man* (**hūmo-**, *ground*); **nēmo**, *no one* (ne, **hēmo**); **turbo** (m.), *a whir!* (comp. **turba-**).

-gōn (-gīn) Substantives: **aspergo** (f.), *a sprinkling* (**adsparg-ere**); ¹⁴⁵ **margo** (m.), *a brink* (comp. **merg-ēre**, *to dip*); **virgo** (f.), *a girl* (**vīro**, *a man?* or **vīr-ēre**, *to be fresh*. Curtius and Corsen connect it with the root of **ὄργ-άω**).

-āg-ōn (-āgīn) All feminine: **ambago** (only abl. s., Manil.), *circuit* (**amb**, **āg-ēre?**); **compāgo**, *a fastening* (com, **pang-ere**); **cōri-ago** (Col.), *a skin disease* (**cōrio-**); **farr-ago**, *a mas.* (**farr-**); **imāgo**, *a likeness* (comp. **im-itāri**; perhaps for **mimi-tari**; comp. **μιμείσθαι**); **indago**, *an encircling* (**indo**, **āg-ere?**); **lumb-ago** (Fest.), *loin disease* (**lumbo-**); **plumb-ago**, *blacklead* (**plumbo-**); **prō-pāgo**, *a slip of a plant, offspring* (**pro**, **pang-ere**); **sartago**, *a frying-pan*; **suffrāgo**, *the pastern, as if broken and bent up* (**sub**, **frang-ēre**); **virago**, *a bold girl* (**vīro-**); **vōrago**, *a gulf* (**vōrā-re**).

-il-āg-ōn (-gīn) All feminine: **cartilago**, *gristle* (comp. **κρέας**); **sals-lago** (Plin.), *saltness* (**salso-**); **similago** (Plin.), *fine flour* (**simila-**).

-ūg-ōn (-ūgīn) All feminine: **ær-ugo**, *bronze-rust, jealousy* (**æs-**); **alb-ugo**, *a disease of the eye* (**albo-**); **ferr-ugo**, *iron-rust* (**ferro-**); **lān-ugo**, *downy hair* (**lāna-**); **sals-ugo**, *saltness* (**salso-**); **vespēr-ugo** (Plaut.), *the evening star* (**vespēro-**).

-ig-ōn (-igīn) All feminine: **cāligo**, *mist* (comp. **clam**, **cēlā-re**); **depētigo**, **impētigo**, *a scabby eruption*; **fūligo**, *soot*; **intertrigo**, *a galling* (**inter**, **tri-**, **tērēre**); **lent-igo**, *freckles* (**lenti-**, *linseed, which freckles resemble*); **lōlligo**, *a cuttle fish*; **melligo**, *bee-glue* (**mell-**); **ōrigo**, *a source* (**ōriri**); **porrigo**, *scurf* (**porro-**, *leek?*); **prū-rigo**, *itching* (**prūrīre**); **rōbigo** (**rūbigo**), *rust* (**rūb-ro-**, *red*); **scaturigines** (pl.), *springs* (**scātūrīre**); **sīligo**, *white wheat*; **tentigo**, *tension* (**tento-**); **vertigo**, *a turn* (**vertēre**); **vitilligo**, *a tetter*; **ūligo**, *wet* (**ūdo-**).

-d-ōn (-dīn) **cardo** (m.), *a hinge* (comp. **κραδᾶν**, *to brandish*); **grando** ⁸⁴⁶ (f.), *bail* (comp. **χάλαζα**, § 126); **hārundo** (f.), *a reed*; **hīrundo** (f.), *a swallow* (comp. **χελιδών**, § 134); **ordo** (m.), *a row*.

-ūd-ōn (-ūdīn) *hīrudo* (f.), *a leech*; *testudo* (f.), *a tortoise* (testa-, *a potlid*).

-tūdōn (-tūdīn) Feminine abstract substantives. All have (appa-⁸⁴⁷rently) a short *i* before the suffix, except the derivatives from *suetō-* (in which a syllable has dropped out) and *valētudo*.

sēgrī-tudo, *sickness, sorrow* (*sēgro-*); *altī-tudo*, *height* (*alto-*); *amārī-tudo* (Plin. maj. and min.), *bitterness* (*āmāro-*); *amplī-tudo*, *wide extent* (*amplo-*); *asperī-tudo* (Cels.), *roughness* (*aspēro-*); *as-svē-tudo* (for *assuetitudo*), *habit* (*ad-svēto-*); so also *consuetudo*, *desuetudo*, *mansuetudo*; *celsī-tudo* (Vell.), *highness*; so as a title (Cod. Theod.), e.g. *your Highness* (*celso-*); *olārī-tudo* (chiefly Tac.), *renown* (*claro-*); *crassī-tudo*, *thickness* (*crasso-*); *dissimīlī-tudo*, *unlikeness* (*dis īmīlī-*); *firmī-tudo*, *firmness* (*fīrmo-*); *fortī-tudo*, *courage* (*fortī-*); *hābī-tudo*, *habit* (for *habilitudo*, from *hābito-*); *hīlārī-tudo* (Plaut.), *merriment* (*hīlāro-*); *lassī-tudo*, *weariness* (*lasso-*); *lātī-tudo*, *breadth* (*lāto-*); *lēnī-tudo* (rare), *leniency* (*lēni-*); *lentī-tudo*, *sluggishness* (*lento-*); *lipplī-tudo*, *inflammation in the eyes* (*lippo-*); *longī-tudo*, *length* (*longo-*); *magnī-tudo*, *greatness* (*magno-*); *mollī-tudo*, *softness* (*mollī-*); *multī-tudo*, *great number* (*multo-*); *nēcessī-tudo*, *necessity, close bond* (*nēcesse*); *partī-tudo* (Plaut. twice), *a giving birth* (*partu-*); *pingvī-tudo*, *fatness* (*pingvi-*); *pulchrī-tudo*, *beauty* (*pulchro-*); *sanctī-tudo* (præ-Cic.), *sacredness* (*sancto-*); *sīmīlī-tudo*, *likeness* (*sīmīlī-*); *sōlī-tudo*, *loneliness* (*sōlo-*); *sollicī-tudo*, *anxiety* (*sollicito-*); *svāvi-tudo* (præ-Cic.), *sweetness* (*svāvi-*); *tēnērī-tudo* (Varr., Suet.), *softness, tender years* (*tēnēro-*); *turplī-tudo*, *ugliness, disgrace* (*turpi-*); *vālē-tudo*, *health* (*vālēre*); *vastī-tudo* (old prayer in Cato), *wasting* (*vasto-*); *vicissī-tudo*, *change* (comp. *vicissim*); and many others, chiefly words quoted by Nonius from the early dramatists.

-ēd-ōn (-ēdīn) All feminine: *absūmēdo* (Plaut. *Capt.* 901), *consump-⁸⁴⁸tion* (*absūmēre*, with pun on *sumen*); *alcedo*, *kingfisher* (comp. ἀλκυών); *cāpedo*, *a sacrificial bowl* (*cāpēre*; comp. *cāpīd-*); *cuppēdo* (Lucr.), *desire* (comp. *cuppēdia*, *delicacies*, *cūpē-re*); *dulcedo*, *sweetness* (*dulci-*); *grāvedo*, *a heavy cold* (*grāvi-*); *intercāpedo*, *an interval* (*inter, cāpēre*); *tēredo*, *a worm, or moth* (*tēr-ēre*; comp. *τερηδών*); *torpedo*, *numbness* (*torpēre*); *ūredo*, *blight* (*ūr-ēre*).

-īd-ōn (-īdīn) All feminine: *crēpīdo*, *an edge* (from κρηπίδ-?); *cūpīdo* (f. except as a god), *desire* (*cūpē-re*); *formīdo*, *dread* (*forma-*, *making shapes to oneself?*); *lībīdo*, *lust* (*lībēre*).

-ēn *jūvēnis* (m.), *a youth*; *sēn-ex* (the nom. sing. has a fur-⁸⁴⁹ther suffix), *an old man*.

-ēn (-īn) *glūten* (n.), *glue* (comp. *glūtō-*, adj.); *ingven* (n.), *the groin*; *pecten* (m.), *a comb* (*pect-ēre*); *pollis* (m. no nom. sing.), *fine flour* (comp. *πάλη*); *sangvis* (m.) and *sangven* (n. § 449), *blood*; *ungven* (n.), *ointment* (*ung-ēre*).

-mēn (-mīn) All neuter substantives, chiefly derived from verbs. ⁸⁵⁰
Comp. the suffixes, *-mīno*, § 825, *-mento*, § 792.

(a) From vowel-verbs with stems ending in *-ā*, *-ū*, or *-ī*

ācū-men, *a point* (*ācu-ēre*); *calceā-men* (Plin.), *a shoe* (*calceā-re*); *cantā-men* (Prop. once), *a spell* (*cantā-re*); *certā-men*, *a contest* (*certā-re*); *cōnā-men* (Lucr., Ov.), *an effort* (*cōnā-ri*); *curvā-men* (Ov.), *a bend* (*curvā-re*); *durā-men* (Lucr.), *hardening* (*dūrā-re*); *flā-men*, *a blast* (*flā-re*); also (m.) *a priest*; *flū-men*, *a stream* (*flu-ēre*); *fōrā-men*, *a hole* (*fōrā-re*, *to bore*); *fundā-men* (Verg., Ov.), *a foundation* (*fundā-re*); *gestā-men*, *a wearing article, a conveyance* (*gestā-re*); *glōmērā-men*, *a round ball* (*glōmērā-re*); *lōnī-men* (Hor., Ov.), *a solace* (*lōnī-re*); *lōvā-men*, *an alleviation* (*lōvā-re*); *mōlī-men*, *an effort* (*mōlī-ri*); *nū-men*, *a nod, the divine will* (*nu-ēre*); *nūtrī-men* (Ov. once), *nourishment* (*nutrī-re*); *plācā-men*, *a means of pacifying* (*plācā-re*); *pūtā-men*, *a clipping, shell, &c.* (*pūtā-re*); *sōlā-men*, *a comfort* (*sōlā-ri*); *stā-men*, *the warp thread* (*stā-re*); *stātū-men*, *a stay, prop* (*stātu-ēre*); *strā-men*, *a straw* (*stra-*, *sternēre*); *suffī-men* (Ov. once), *incense* (*suffī-re*); *sufflā-men*, *a drag* (*sufflā-re?*); *tentā-men* (Ov.), *an attempt* (*tentā-re*); *vōcā-men* (Lucr.), *a name* (*vōcā-re*); and others.

(b) From other verbs, or of uncertain derivation:

abdō-men, *the belly*; *agmen*, *a train* (*āg-ēre*); *albū-men* (Plin.), *the white of an egg* (*albo-*); *alumen*, *alum*; *augmen*, *a growth* (*aug-ēre*); *bitū-men*, *bitumen*; *cācū-men*, *a summit*; *carmen*, *a song, a charm* (comp. *cāmēna*, § 836. 2); *cōlū-men*, *a top, support* (comp. *cel-sus*); *crī-men*, *a charge* (comp. *cre-*, *cernēre*, *κρίνειν*); *culmen* (contr. for *columen*; rare before Augustan age); *discrī-men*, *a distinction* (comp. *discern-ēre*); *dōcū-men* (Lucr. once), *a lesson* (*dōc-ēre*); *exā-men*, *a swarm, the tongue of a balance* (*ex-āg-ēre*); *fē-men*, *a thigh*; *ferrū-men*, *solder* (*ferro-*); *flā-mīna* (pl.), *bloody swellings* (comp. *φλέγ-ειν*); *frag-men*, *a fragment* (*frang-ere*); *germen*, *a bud*; *grā-men*, *grass* (comp. *grandis*, *grānum*); *lōgū-men*, *pulse*; *lī-men*, *a lintel, a threshold*; *lū-men*, *a light* (*lūc-ēre*); *mō-men* (for *mō-vī-men*), *movement* (*mōvēre*); *nō-men*, *a name*, esp. of the clan; e.g. *Cornellius*; so also *agnō-men*, *an additional surname*; e.g. *Africanus*; *cognō-men*, *the name of the family*; e.g. *Scipio*; *prānomen*, *the individual name*; e.g. *Lucius* (*no-sc-ere*); *ō-men*, *an omen*; *rēg-ī-men*, *guidance* (*rēg-ēre*); *rū-men* (rare), *the gullet* (comp. *rū-mīn-āre*, *to chew the cud*); *sagmen*, *a tuft of sacred herbs*; *sarmen*

(Plaut. once), *brushwood* (sarp-ĕre); *segmen* (rare), *a cutting* (sĕcĕre); *sĕmen*, *seed* (sĕ-rĕre); *spĕcimen*, *a pattern* (spĕcĕ-re); *subtĕ-men*, *the woof* (subtex-ere); *sū-men*, *an udder* (sūg-ĕre); *tĕg-imen* (teg-men), *a covering* (tĕg-ĕre); *tor-mīna* (pl.), *gripes* (torqv-ĕre); *vermīna*, *gripes* (for vermi-min-? vermi-, *a worm*); *vī-men*, *a witbe* (vīĕre).

-ōn All masculine (except Juno): many are personal names: 851

(a) Appellatives: *sĕro* (Vitr., Plin.), *a basket*; *āgāso*, *a groom*; *āleo* (rare), *a gamester* (ālea-); *āqvīlo*, *the northwind* (comp. āqvīlo-, *dark-coloured*); *bālĕtro*, *a jester*; *bāro*, *a dolt*; *būbo*, *an owl* (comp. βύας); *bucco*, *a babbler* (bucca-, *a cheek*); *būfo*, *a toad*; *buteo*, *a hawk*; *calcĭtro*, *a kicker* (calci-); *cālo*, *a soldier's servant*; *cāpĭto*, *a big-headed man* (cāpūt-); *cāpo*, *a capon* (comp. cāpo-); *carbo*, *a coal*; *caupo*, *a tavern-keeper* (comp. κάπ-ηλος); *cento*, *a patchwork*; *cerdo*, *an artisan* (from κέρδος?); *cilo* (Fest.), *having a long narrow head*; *cīnīflo* (Hor.), *an assistant at the toilet* (cf. § 992); *combĭb-o* (rare), *a boon companion* (com, bĭb-ĕre); *eōmĕd-o* (Lucil., Varr.), *a glutton* (comĕd-ĕre); *commīlt-o*, *a fellow-soldier* (com, mīlt-); *congerĭ-o* (Plaut.), *a playfellow* (com, gerra-); *crābro*, *a hornet*; *cūdo* (abl. only; Sil.), *a skin helmet*; *dōlo*, *a staff with a sharp point*; *ĕpūl-o*, *a feaster* (ĕpūla-); *ĕqvīso* (Varr.), *a groom* (ĕqvo-); *erro*, *a runaway* (errā-re); *fronto*, *with a large forehead* (fronti-); *fullo*, *a fuller*; *gāneo*, *debauchee* (gānea-); *gerr-o*, *a trifler* (gerra-); *hēluo*, *a glutton*; *lābeo*, *large-lipped* (lāblo-); *latro*, *a mercenary soldier*; hence *a brigand* (comp. λατρεύειν); *lēno*, *a pander*; *leo*, *a lion* (comp. λέων, λεοντ-); *lĭgo*, *a boe*; *lurco*, *a glutton*; *mango*, *a dealer*; *ment-o*, *long-chinned* (mento-); *mir-millo*, *a gladiator, who wore a fish* (μόρμυρος?) *on his helmet*; *mīcro*, *a sharp point*; *mūto* (i. q. pĕnis); *nās-o*, *with a big nose* (nāso-); *nĕbūlo*, *a worthless fellow* (nĕbūla-); *palp-o*, *a flatterer* (palpo-); *pāvo*, *a peacock*; *pĕro*, *a rawhide boot*; *pētāso*, *a leg of pork*; *petro*, *a hardy rustic* (πέτρα); *ponto*, *a punt, pontoon* (ponti-?); *pōpln-o*, *a frequenter of eating-houses* (pōplna-); *præco*, *a crier* (præ, vōc-ĕre?); *præd-o*, *a robber* (præda-); *pulmo*, *a lung* (comp. πλεύμων); *rĕno*, *a reindeer* (Keltic); *sabulo*, *gravel* (sabulo-); *sermo*, *conversation* (sĕr-ĕre, *to join*, sĕr-ies); *sĭlo*, *snub-nosed* (silo-); *spādo*, *a eunuch*; *stōlo*, *a useless sucker*; *strābo*, *a squinter*; *subulo*, *a flute player* (Etruscan); *tĕmo*, *a carriage pole*; *tĭro*, *a recruit*; *trĭco* (Lucil.), *a trickster* (trĭca-); *udo*, *a felt shoe*; *vespillo*, *a corpse-bearer at night* (vespĕra-); *umbo*, *a boss* (comp. umbilicus, ἄμβων); *vōlōnes* (pl.), *volunteer soldiers* (vel-le?); *unedo* (Plin.), *the arbutus*.

Jūno (fem.); comp. also §§ 481, 505.

(b) Many are used chiefly or exclusively as cognomina. (In this list the name of the clan is added):

Bucco, of the Pompeian clan (vid. supr.); *Buteo*, Fabian (vid. supr.); *Cāpĭto*, Fonteian, &c. (vid. supr.); *Carbo*, Papirian (vid. supr.); *Cāte*

Porcian (Cāto-?); Cerco, Lutatian (*tailed*, κερκο-); Ciccero, *vetch man*, Tullian (Ciccēr-); Corbūlo, *basket man*, Domitian (corbūla-); Culleo, *bagman*, Terentian (culleo-); Dorso, *longback?* Fabian (dorso-); Fronto, a surname in several clans (vid. supr.); Kæso, Fabian, "a cæso matris utero dictus" (Plin. 7. 9. 7); Lābeo, in several clans (vid. supr.); Latro, Porcian (vid. supr.); Libo, Marian and Scribonian; Lurco, Aufidian (vid. supr.); Mento, Julian (vid. supr.); Nāso, in several clans (nāso-); Nēro, Claudian (Sabine for "fortis ac strenuus"); Pēdo, *splayfoot?*, rare (pēd-); Pīso, *pease*, Calpurnian (pīso); Sīmo, *flat nosed* (sīmo-); Stōlo, Licinian (vid. supr.); Strābo, in several clans (vid. supr.); Tappo, Villian; Tūbēro, *bumpback?*, Cælian (tūbēr-, a *boil, lump, &c.*); Varro, *bowlegged*, Terentian (vāro-); Vōlēro, Publilian; Vulso, *with smooth face?*, Manlian (vulso-, *plucked?*); and some others (besides those in -iōn).

-iōn (1) Masculine: (a) appellatives:

152

ardēl-io, a *trifler*; bīnio, a *duce* (bīno-); centūrio, a *captain* (centūria-); cureūlio, a *weevil*; cūrio, the *head of a curia*; decurio, a *commander of ten* (decuria-); dūplio (old), the *double*; ēsturio (Plaut. punning; Petr.), a *hungry man* (ēsūr-ire); gurgūlio, the *windpipe* (comp. Engl. *gargle*); hīstrio, an *actor* (Etruscan); libell-io, a *bookseller* (libello-); lūd-io, a *stage player* (lūdo-); matell-io, a *pot* (mātella-); mōrio, a *fool* (μωπό-); mūl-io, a *muleteer* (mūlo-); ōplio, a *shepherd* (comp. ōvi-, and cf. § 94. 1 b); pāplio, a *butterfly*; pellio, a *currier* (pelli-); pernio (Plin.), a *chilblain* (perna-?); pugio, a *dagger* (pung-ēre); pūmīlio, a *dwarf* (pūmīlo-); pūsio, a *little boy* (pūsio-, comp. puēro-); quīnio, a *cinq* (quino-); restio, a *ropemaker* (resti-); sannio, a *grimacer* (sanna-); scīpio, a *staff* (comp. σκῆπτρον); scopio, a *grape stalk*; sēnēc-io, an *old man* (comp. sēn-ec-); senio, a *seize* (sex, sēno-); septentrio, the *north* (septem, trio, a *star?* M. Müller's *Lectures*, II. p. 365); stellio, a *gecko*, a kind of *spotted lizard* (stella-); Tālassio, a *cry addressed to a bride*; tēnebrio (Varr.), a *swindler* (tēnēbra-); vespertilio, a *bat* (as if from vespertilis, of the evening); ūnio, a *pearl* (ūno-?).

(b) Proper names: Cæpio, Servilian (cæpa-, *onion*); Cūrio, Scribonian (vid. supr.); Glābrio, Acilian (glābro-, *smooth, hairless*); Pollio, Asinian (paullo-); Scīpio, Cornelian (vid. supr.); Sēnēcio, Claudian (vid. supr.).

(2) Feminine: abstract substantives (a) derived from verbs:

allūvio, *inundation* (ad lavāre); cāpio, an *acquisition*; collūvio (Liv.), *sweepings* (com, lāv-are); condīcio, *terms of agreement* (condicere, comp. maledic-us); contāgio, *contagion* (com, tangēre); dīcio (no nom. s.), *rule* (comp. dīc-, dīcēre?); internecio, *destruction* (inter, nec-are); lēgio, a *body of soldiers* (lēg-ere, to *pick up*); oblivio, *forgetfulness* (oblivī-sc-i); obsīdio, a *blockade* (obsīdēri); occīdio, *massacre* (occīd-ēre); optio, a *choice*; hence (m.?), an *adjutant*

(opt-āre); ōpīnīo, *opinion* (ōpīnāri); rēgio, *a district* (rēg-ēre, *to mark out boundaries*); rēllīgio, *a scruple* (rēlēgere); suspīcio, *suspicion* (suspīcē-re); usucāpio, *acquisition by enjoyment* (usu, cāpē-re).

(b) Derived from noun stems in -ī:

commūnīo, *sharing in common* (commūni-); consortīo, *fellowship* (consortī-); portīo, *a share* (comp. parti-); perduellīo, *treason* (perduelli-); rēbellīo, *revolt* (rēbelli-); tālīo, *retaliation* (tālī-).

-clōn hōmun-cīo, *a mannikin* (hōmōn-); comp. senēcīon- 853
(§ 852 a).

-tīōn Abstract feminine substantives formed from supine stems. 854
Some are used in concrete sense:

(a) From supine stems of vowel verbs with long vowel preceding the suffix (the verbs themselves are omitted as self-evident):

accūs-at-īo, *an accusation*; advōc-at-īo, *legal assistance*; aestīm-at-īo, *a valuation*; āgīt-at-īo, *movement*; alterc-at-īo, *dispute*; ām-at-īo (Plaut.), *caressing*; ambūl-at-īo, *a promenade*; appell-at-īo, *an appeal, a name*; āqv-at-īo, *water-supply*; ār-at-īo, *ploughing*; assent-at-īo, *flattery*; attrib-ūt-īo, *assignment*; aud-īt-īo, *hearing, hearsay*; capt-at-īo, *catching*; cāvill-at-īo, *raillery*; cālēbr-at-īo, *an assemblage*; clārīg-at-īo, *a solemn declaration of war*; cōgīt-at-īo, *thought*; cogn-at-īo, *relationship by blood* (com, na-sci); coll-at-īo, *a contribution, comparison*; compār-at-īo, *comparison*; concert-at-īo, *dispute*; concīt-at-īo, *excitement*; concurs-at-īo, *running together*; confarre-at-īo, *religious marriage* (com-, farreo-, i.e. *eating together the bridal cake*); constīt-ūt-īo, *disposition*; contempl-at-īo, *contemplation*; contest-at-īo, *joining issue, calling witnesses* (com, testāri); crētīo, *acceptance of an inheritance* (cernere); cunct-at-īo, *delay*; cūr-at-īo, *management*; damn-at-īo, *condemnation*; declīn-at-īo, *turning aside*; defin-īt-īo, *marking off*; dēlēg-at-īo, *assignment of debt, &c.*; dēmīn-ūt-īo, *decrease*; denunti-at-īo, *announcement*; dēspēr-at-īo, *despair*; discept-at-īo, *discussion*; dissōl-ūt-īo, *dissolution*; dōmīn-at-īo, *lordship*; dūbīt-at-īo, *doubt*; ēdūc-at-īo, *bringing up*; ērūd-īt-īo, *instruction*; existīm-at-īo, *judgement, reputation*; exsēc-ūt-īo (post-Aug.), *accomplishment*; festīn-at-īo, *hastening*; frustr-at-īo, *deceiving*; grād-āt-īo, *gradation* (as if from grādāri); grātul-at-īo, *congratulation*; īmīt-at-īo, *imitation*; īnquīs-īt-īo, *legal inquiry*; larg-īt-īo, *bestowal, bribery*; lēg-at-īo, *the office of an ambassador*; libēr-at-īo, *a release*; māchīn-at-īo, *contrivance*; mult-at-īo, *amercement*; mūn-īt-īo, *a fortification*; mūt-at-īo, *change*; nā-tīo, *a breed* (na-sci); nōt-at-īo, *marking, noticing*; nō-tīo, *taking cognisance* (no-sc-ēre); oblig-at-īo, *engagement*; occup-at-īo, *seizing, business*; ōr-at-īo, *speech*; part-īt-īo, *division*; permūt-at-īo, *an exchange*; pēt-īt-īo, *aiming, candidateship, claim*; postūl-at-īo, *demand*; pō-tīo, *drinking* (comp. poto-, pō-tare); præst-at-īo (post-Aug.),

guaranty, payment; prōb-atīo, testing; prōvōc-atīo, a challenge, appeal; pūt-atīo, pruning; rēcord-atīo, remembrance; recūs-atīo, refusal; rēnunti-atīo, a public announcement of a result; repræsēnt-atīo, cash payment; respir-atīo, taking breath; restīt-ūtīo, restoration; rōg-atīo, a legislative proposal, a bill; sālūt-atīo, greeting; siml-atīo, pretence; sōl-ūtīo, discharge of debt, &c.; sort-ītīo, lot-drawing; stīp-atīo, crowding; stīpūl-atīo, a bargain; supplic-atīo, public prayer; tābūl-atīo (Cæs.), a flooring (tābūla-, a plank); test-atīo (testific-atīo, Cic.), giving evidence; trāl-atīo, transfer; vāc-atīo, exemption; vēn-atīo, hunting; and many others.

(b) From supine stems, with short vowel preceding suffix:

ād-ītīo, entry on an inheritance (ādī-re); admōn-ītīo, reminding (admōnēre); amb-ītīo, canvassing (ambī-re); appār-ītīo, attendance (appārere); cognītīo, knowledge, judicial inquiry (cogno-sc-ere); dā-tīo, giving (dā-re); ēdītīo, publishing (ēdē-re); exhib-ītīo (Ulp. &c.), maintenance; īt-īo, going (ī-re); mōn-ītīo, warning (mōnēre); pōs-ītīo, placing, posture (pōn-ēre); rā-tīo, account, reason (rēri); sā-tīo, sowing (sē-rē-re); sēd-ītīo, a sedition (sed, īre); sorb-ītīo, a supping up, a draught (sorbēre); stā-tīo, a station, a post (stāre); sūperstī-tīo, superstition (standing over in awe; super-stāre); vendī-tīo, sale (vendēre); and others.

(c) Either from consonant stems, or contracted:

ac-tīo, action (āg-ēre); adjec-tīo, addition (adjic-ēre); adop-tīo, adoption (comp. adoptā-re); affec-tīo, relation, disposition of mind (afficē-re); auc-tīo, a sale (augēre); aversio, turning away (vert-ēre); in law phrase, per aversionem emēre, to buy as a whole (verre); cap-tīo, a trick, sophism (cāpē-re); cau-tīo, a caution, a legal security (cāvēre); cen-sio, an assessing (censēre); circumscrip-tīo, a contour, cheating (circumscrib-ēre); commis-sio, a contest (commit-t-ēre); comprēhen-sio, laying hold of (comprēhend-ēre); concep-tīo, drafting of law formulæ (conciptē-re); concessio, grant (conced-ēre); conclū-sio, shutting in, a peroration (conclūd-ēre); consen-sio, agreement (consentire); construc-tīo, construction (constru-ēre); con-tīo, an assembly, an address to such (convēn-īre); contrac-tīo, drawing together (contrāh-ēre); defec-tīo, revolt, failure (dēficē-re); devō-tīo, devotion (dēvōvēre); dic-tīo, saying (dic-ēre); digres-sio, digression (digrēd-i); distinc-tīo, distinction (distingv-ēre); emp-tīo, purchase (ēm-ēre); fic-tīo, fashioning, fiction (fing-ēre); flexio, a turn (flect-ēre); impres-sio, an impress, attack (imprim-ere); induc-tīo, a bringing in, drawing one's pen through (induc-ēre); inven-tīo, discovery (invēnīre); lū-sio, playing (lūd-ēre); man-sio, staying, lodging-place (mānēre); mis-sio, a discharge (mitt-ēre); mō-tīo, moving (mōvēre); offen-sio, stumbling, offence (offend-ēre); pas-tīo, pasturing (pasc-ēre); pen-sio, payment (pend-ēre); percep-tīo, gathering

(perclpē-re); perpes-sio, *endurance* (perpēt-1); præsump-tio, *anticipation* (præsūm-ēre); quæs-tio, *an inquiry* (quær-ēre); rēfec-tio (post-Aug.), *restoration, refreshment* (rēficē-re); scrip-tio, *writing* (scrib-ēre); sēces-sio, *a withdrawal* (sēcēd-ēre); sec-tio, *cutting, sale of a bankrupt estate* (sēcāre); ses-sio, *a sitting* (sēdēre); spon-sio, *an agreement, a wager* (spondēre); tac-tio, *touching* (tang-ēre); trāvec-tio, (1) *carrying across*; (2) *riding post* (transvēh-ēre); ul-tio, *revenge* (ulc-isci); vī-sio, *sight* (vīdēre); and others.

Compound stem-endings: -inqvo, § 772; -ento, -mento, -lento (-ginta, -gento), §§ 791—795; -enti, § 807; -ensi, -iensi, § 815; -undo, -bundo, -cundo, §§ 817—820; -inēr, § 905; -nōs, -nūs, §§ 911, 913; -neo, -gneo, -āneo, -ōneo, §§ 922, 923; -entia, § 933; -nio, -mnio, -mōnio, -cīnio, §§ 934—936.

CHAPTER VII.

LINGUAL NOUN STEMS. I.

i. Stems ending in -lo.

-lo cōlus (f.), *a distaff*; dōlus, *craft*; fālæ (pl.), *a scaffold*- 855
ing; gēlum, *frost*; mālus (adj.), *bad*; mōla, *a mill* (mōl-ēre); pīla, *a ball*; pīlus, *a hair*; sālum, *the sea* (comp. sāl-, σάλος); sōlum, *the ground*; vōla, *hollow of hand or foot*. (For some with diminutive suffix, e.g. templum, see under -ulo.)

-ō-lo This older form of the vowel before l is retained only 856
after e, i, or v (cf. § 213. 2 b). The ō is often the final stem vowel of the word to which the suffix is added:

1. Adjectives: aureō-lus, *golden* (aureo-); ēbrio-lus (Plaut.), *somewhat drunken* (ēbriō-); frivōlus, *trifling* (for friqvolus? *rubbed or brittle*; comp. fric-āre, fri-āre); helvō-lus (helveolus), *yellowish* (helvo-); parvōlus, *very small* (parvo-).

2. Substantives (chiefly in Cicero), mostly diminutives of substantives in -o:

(a) Masculine: *alveo-lus*, a small trough; *calceo-lus* (rare), a small shoe; *cāseo-lus*, a small cheese; *cūneo-lus*, a small wedge; *filio-lus*, a little son; *hārio-lus*, a soothsayer; *librārio-lus*, a bit of a copyist; *malleo-lus*, a small hammer, a slip for planting; *pasceolus*, a leathern bag (for *φάσκωλος*?); *pilleo-lus*, a small cap; *simio-lus*, a little ape; *servo-lus*, a little slave; *urceo-lus*, a little pitcher.

Puteoli, Little-wells; *Tiberiolus* (Tac. *A.* 6. 5), darling Tiberius; *Scævōla* (m.), (*scæva-*, left-hand).

(b) Feminine; all (except *viola*) diminutives of subst. in *-a*.

actuariō-la (or *-um*?), a small boat; *ārāneo-la*, a small spider; *ardeo-la*, a heron; *āreo-la*, a small open place; *bestio-la*, an insect; *clāvō-la*, a scion; *cōpio-læ* (pl.), a few troops; *dālicio-læ* (pl.), a little darling; *fascio-la*, a small bandage; *filio-la*, a little daughter; *glōrio-la*, a bit of distinction; *hōrio-la*, a skiff; *laureo-la*, a laurel branchlet; *luscīnio-la*, a little nightingale; *mēmōrio-la*, a poor memory; *nauseo-la*, a slight squeamishness; *sententio-la*, an apophorism; *sēpio-la*, a little cuttle fish; *valvo-læ* (pl.), double shells of a pod; *victōrio-la*, a small statue of Victory; *vindēmio-la*, a little vintage; *vio-la*, a violet (comp. *ῥοῦ*); and others.

(c) Neuter: all diminutives of neuter substantives in *-o*:

atrio-lum, a small entrance-hall; *armārio-lum*, a cabinet; *balneo-lum*, a small bath; *brāchio-lum* (Catull.), a slender arm; *commentārio-lum*, a short essay; *dēversōrio-lum*, a small lodging; *dōlio-lum*, a small cask; *flammeo-lum*, a small bridal veil; *linteo-lum*, a small cloth; *nēgōtio-lum*, a bit of business; *ōtio-lum*, a bit of leisure; *pēcūlio-lum*, a small private property; *prædio-lum*, a small landed estate; *sōlācio-lum* (Catull.), a bit of comfort; *svāvīo-lum* (Catull.), a soft kiss; *tectōrio-la* (pl.), plaster casts.

-ūlo 1. Adjectives¹:

857

(a) Diminutival: all (except *vetulus*) from adjectives with *-o* stems: *ācūtū-lus*, somewhat pointed; *albu-lus*, whitish; *ālīquāntu-lus*, somewhat; *argūtū-lus*, somewhat subtle; *ārīdu-lus* (Catull.), a little dry; *barbātū-lus*, with a bit of a beard; *bimū-lus* (Catull., Suet.), two years old; *candīdu-lus*, fairly white; *contortū-lus*, a bit twisted; *frigīdu-lus*, rather cold; *hīlāru-lus*, merry and little; *horridū-lus*, roughish; *īmū-lus* (Catull.), lowest; *lassū-lus* (Catull.), a little tired; *lentū-lus*, rather slow; *līmātū-lus*, delicately fine; *līmū-lus* (Plaut.), somewhat askance; *longū-lus*, longish; *pæstū-*

¹ Comp. the lines made by Hadrian on his death-bed (Hist. Aug. *Hadr.* 25):

*Animula vagula blandula,
hospes comesque corporis,
quæ nunc abibis in loca,
pallidula rigida nudula,
nec, ut soles, dabis jocos?*

lus, with a slight squint; *palidu-lus*, growing pale; *paucu-lus*, very few; *primu-lus* (Plaut.), first; *quadrīmu-lus* (Plaut.), little four-years-old; *quant-ulus*, how small?; *rūbīcund-ulus*, rather red; *scītu-lus* (Plaut.), stylish; *sīmu-lus* (Lucr.), flattish-nosed; *sordīdu-lus*, dirtyish; *tābīdu-lus*, slowly consuming; *tantu-lus*, so little; *ūvīdu-lus* (Catull.), somewhat wet; *vēnustu-lus*, charmingly pretty; *vēt-ulus*, little and old (for *vetēr-ulus*); and others.

(b) Not (apparently) diminutival; chiefly from verbs: *æm-ulus*, emulous; *amp-lus*, large (on both sides, around; *amb-*, cf. § 70); *bīb-ulus*, thirsty (*bīb-ēre*); *būb-ulus*, of oxen (*bōv-*, § 76); *cær-ulus*, dark blue (cf. *cæruleus*); *crēd-ulus*, credulous (*crēd-ēre*); *ēdent-ulus* (Plaut.), toothless (*e denti-*); *garru-lus*, prattling (*garrīre*); *pātu-lus*, wide-spreading (*pātēre*); *pend-ulus*, hanging (*pendēre*); *quēr-ulus*, complaining (*quēr-i*); *sēdulus* (cf. § 990); *sing-ūlus*, one each, single; *strāg-ulus*, for covering (*strāgi-*, cf. § 784); *strīdu-lus*, whistling (*strīdēre*); *trēm-ulus*, quivering (*trēmēre*).

2. Substantives: (a) diminutival:

858

Masculine: mostly from stems in -o: *ādōlescentu-lus*, a young man (*adolescenti-*); *āmīcu-lus*, a darling friend; *ānīmu-lus*, darling; *annu-lus*, a ring; *calcu-lus*, a pebble (*calci-*, chalk); *circu-lus*, a circle; *cōlumbū-lus*, a little dove; *ēquu-lus* (*ēcūleus*), a colt; *fōcu-lus*, a chafing dish (*fōco-*, hearth); *fōrū-lī* (pl.), pigeon holes (*fōrus*, a row); *glōbu-lus*, a little ball; *hortu-lus*, a small garden; *jōcu-lus*, a little joke; *lectu-lus*, a couch; *lōcū-lus*, a compartment; *mōdu-lus*, a small measure; *nēpōtu-lus* (Plaut.), a little grandson (*nēpōt-*); *nīdu-lus*, a little nest; *nummu-lī* (pl.), small coins; *porcu-lus*, a young pig; *puēru-lus*, a little boy; *rāmu-lus*, a sprig; *rēg-ulus*, a chieftain (*rēg-*); *saccu-lus*, a small bag; *scrūpu-lus*, a small stone, a difficulty; *ventu-lus*, a breeze; *vīcu-lus*, a hamlet.

vernula, a little slave (*verna-*).

Proper names: *Lentulus* (see § 857 a); *Prōculus* (*prōcus*, a suitor); *Rēgulus* (vid. supr.). Also *Barbula* (*barba*, a beard).

Feminine: mostly from stems in -a: *ætātu-la*, youth (*ætāt-*); *āmīcu-la*, a darling mistress; *ānīmu-la*, dear life; *āquu-la*, a little water; *arcu-la*, a casket; *capsu-la*, a bandbox; *cāsū-la*, a small cottage; *caupōnu-la*, a small tavern; *causu-la*, a petty lawsuit; *cēnu-la*, a light dinner; *cervīcu-la*, a small neck (*cervic-*); *clausu-la*, a conclusion (as if from *clausa-*); *conciliatrīc-ula*, a soft match-maker (*conciliatrīc-*); *fāc-ula*, a little torch (*fāc-*); *falcu-la*, a small billhook (*falci-*); *flammu-la*, a little flame; *formu-la*, a (short) legal form; *glandu-læ* (pl.), glands (*glandi-*, acorn); *guttu-la*, a little drop; *herbu-la*, a little herb; *lācrīmu-la*, a tiny tear; *lectīcu-la*, a small sedan; *mensu-la*, a small table; *mercēd-ula*, small wages (*mercēd-*); *mērētrīc-ula*, a girl prostitute (*meretrīc-*); *nūc-ula*, a

small nut (nūc-); *nūtrio-ula*, a nurse (nutrio-); *pallu-la*, a little cloak; *plāgu-la*, a bed curtain (plāga-, a net); *portu-la*, a small gate, *pūpu-la*, the pupil of the eye (image on retina? *pūpa-*, a girl); *quadrigu-læ* (pl.), a little four-horse team; *rādīc-ula*, a small root (rādīc-); *ripu-la*, a little bank; *rōtu-la*, a little wheel; *sarcīnu-la*, a little bundle; *scūtu-la*, a square dish (scūt-; comp. *scutra*, *scutella*, and for ū *scūtica*); *serru-la*, a small saw; *sextu-la*, the sixth of an uncia; *sportu-la*, a little basket; *tōgu-la*, a little gown; *tonstrīc-ula*, a small hairdresser; *villu-la*, a little country-house; *virgu-la*, a small rod; *vōcu-la*, a weak voice; and others.

Neuter: *cāpītu-lum*, a small head (cāpūt-); *crustu-lum*, pastry; *muscipulum*, a mouse-trap (mūsi-, cāpēre, § 992); *oppīdu-lum*, a small town; *postīcu-lum*, a small back building; *prātu-lum*, a small meadow; *rāpu-lum*, a little turnip; *saxulum*, a small rock; *scriptu-lum* (*scripalum*, *scrupulum*, *scriplum*), $\frac{1}{2}$ oz. (a transl. of γράμμα?); *spīcu-lum*, a sharp point (spīco-, a point; comp. *spīca*); *scutu-lum*, a small shield.

(b) Not (apparently) diminutival, or not diminutives of existing nouns:

Masculine: *æsculus*, the Italian oak; *angulus*, a corner (comp. ἀγκύλος, *uncus*, *ungvis*, &c.); *bājulus*, a porter; *bōtulus*, a sausage; *cāpulus*, (1) a bilt, (2) a coffin (cāpē-re); *cātūlus*, a wheel; *cūmulus*, a heap (comp. κυεῖν, κύμα); *fāmulus* (also adj. in Aug. and post-Aug. poetry), a servant; *fīgulus*, a potter (fīng-ere); *gērulus*, a porter (gēr-ēre); *lēgulus*, a picker (lēg-ēre); *ōcūlus*, an eye (§ 107); *ōpūlus*, a kind of maple; *pessūlus*, a bolt (from πάσσαλος?); *pōpulus*, a people (comp. plē-nus, πληθος, πόλις, &c.); *pōpulus* (f.), a poplar; *scōpulus*, a rock (from σκόπελος?); *sītulus* (also *sītula*), a bucket; *stīmulus*, a prick (comp. στιγμή, § 129. c); *tītulus*, a title; *tūmulus*, a bill (tūm-ēre); *tūtūlus*, a conical head-dress; *vidulus*, a portmanteau; *vītulus*, a calf (§ 91).

assecla, a follower (ad sēqv-1); *rab-ula*, a brawler (rābēre).

Proper names: *Bībulus* (§ 857 b); *Catūlus* (vid. supr.); *Figulus* (vid. supr.); *Sicūlus*, a Sicilian; *Tappulus*; *Trēmūlus* (§ 857 b); *Vītulus* (vid. supr.). Also *Decula*; *Scāpula* (vid. infr.).

Feminine: *assula*, a splinter; *cācula* (m.), a servant; *cōpula*, a tie (com, āp-isci); *ēpūlæ* (pl.), a banquet; *fērūla*, (1) fennel giant, (2) a rod; *fistula*, a pipe; *gūla*, the throat (from the sound); *infūla*, a band or fillet; *insula*, an island, a separate block of buildings; *inula*, elecampane; *jugulæ* (pl.), collar-stars in Orion's belt; *mātula*, a pot; *mentula*, for mejentula (from mejēre); *mērula*, a blackbird; *nēbūla*, a cloud (comp. nūbes, νέφος); *pænula*, a cloak; *pāpula*, a pimple; *pergula*, a stall or booth; *pūsula*, a blister (from φῦσα, φουσαλλίς; the rarer form *pustula* is probably from *pūs*); *radula* (Col.), a scraper (rād-ēre); *rēgula*, a rule (rēg-ēre); *scandula*, a wooden shingle; *scāpulæ* (pl.), the shoulder-blades; *spēcūla*, a watchtower (spēcē-re); *stīpūla*, a stalk; *tēgūla*, a flat tile (tēg-ēre);

trāgula, *a javelin, a net* (comp. trāhere?); ūlūla, *a screech-owl*; ungūla, *a hoof* (ungvi-, m.).

Neuter: cingūlum (also cingulus, cingula), *a belt* (cing-ēre); coagulum, *rennet* (com, āg-ēre, *to make to curdle*); exemp-lum, *a sample* (exim-ēre; cf. § 70); jāculum, *a dart* (jācēre); jūgulum, *the collar-bone* (jūgo-, jung-ēre); pīpulum, *chirping* (pipāre); rēpāgula (pl.), *bolts* (pāng-ēre); spēcūlum, *a mirror* (spēcē-re); tem-p-lum, *a temple* (for tem-ulum; comp. τέμενος and § 70); torc-ulum, *a wine press* (torqvēre).

-pūlo (1) Adjectives (comp. the Greek termination -πλοος, 860 e.g. ἀπλοῦς, &c.): simplus (only used as subst., so also simpla, simplum), *single* (comp. sim-plex, semel); dūplus, *double* (duo); triplus, *triple*; quadrūplus, *fourfold*; octuplus, *eightfold*. These words are generally used only in neuter as substantives.

(2) Substantives: discī-pūlus, *a learner* (disc-ēre); mānīpulus (manipulus), *a handful, a company of soldiers* (mānu-; comp. ple-, plēnus?); simpūlum, *a ladle*.

For templum, &c. see § 859; for others, where p is apparently radical, see § 858.

-būlo (a) Feminine: fābula, *a narrative* (fāri); fibula, *a clasp* 861 (fig-ere); sūbula, *an awl* (su-ēre); tābula, *a plank*.

(b) Neuter: acētābulum, *a cup* (for vinegar? ācēto-); conciliā-bulum, *a place for assembly* (conciliāre); incūnā-bula (pl.), *cradle* (in cūna-); infund-ībulum, *a funnel* (infund-ēre); lāt-ībulum, *a hiding-place* (lātēre); mendīca-bulum (Plaut. once), *a beggar* (mendicāre); nūcifrangī-bula (pl.), *nutcrackers* (nūc-, frang-ēre); pā-bulum, *fodder* (pascēre); pātī-bulum, *a cross* (pātēre); prostī-bulum, *a prostitute* (prostāre); rutabulum, *a poker or spoon* (rū-ere?); sabulum, *gravel*; stā-bulum, *a stall* (stāre); suffī-bulum, *a square white veil, worn by the Vestal Virgins at a sacrifice* (sub figēre?); tintinnā-bulum, *a bell* (tintinnāre); tri-bulum, *a thrashing sledge* (tri-, tērēre); trientabulum (Liv. 31. 14), *land assigned in payment of a third of a debt* (trienti-); tūr-ibulum, *a censer* (tūs-); vērā-bulum, *a hunting-spear* (vērāri); vestibulum, *a forecourt* (origin uncertain); vōcā-bulum, *a name* (vōcāre).

-cūlo(clo) 1. Adjectives, chiefly diminutival, and from 1 stems; 862

(a) From nouns: acrī-culus, *testy*; annī-culus, *a year old* (anno-); dulcī-culus, *sweetish*; fortī-culus, *somewhat bold*; grandī-culus (Plaut.), *rather large*; lēvī-culus, *somewhat vain*; mas-culus, *male* (māsi-); mollī-culus, *tender*; pauper-culus, *poor* (pauper-); tēnuī-culus, *rather slight*; tristī-culus, *somewhat sorrowful*; turpī-culus, *ugly*; vernā-culus, (1) *of slaves*, (2) *native* (verna-).

(b) From verbs: ridī-culus (deridiculus), *laughable* (ridēre); reīculus (Cato, Sen.), *refuse* (rējicēre).

(c) clanculum (adv.) is adverbial accus. (clam).

2. Substantives:

(a) Masculine: almost all diminutival:

āmātor-culus (Plaut.), *a lover dear*; **āmi-culus**, *a dear friend*; **amni-culus**, *a streamlet*; **angvi-culus**, *a small snake*; **anser-culus** (Col.), *a gosling*; **arti-culus**, *a joint, knuckle* (artu-); **asser-culus**, *a small pole*; **cincti-culus** (Plaut.), *a belt* (cinctu-); **cūniculus**, *a mine*; hence, *a burrower*, viz. *a rabbit* (cūneo-); **ensi-culus** (Plaut.), *a small sword*; **fasci-culus**, *a packet*; **flos-culus**, *a floweret*; **folli-culus**, *a small bag, pod*; **fonti-culus**, *a little spring*; **frāter-culus**, *a little brother*; **fūni-culus**, *a thin cord*; **grā-culus**, *a jackdaw* (perhaps the c is radical); **igni-culus**, *a spark*; **lācus-culus** (Col.), *a small lake* (lacu-); **lāter-culus**, *a small brick*; **lēpus-culus**, *a leveret* (lēpōs-); **lintri-culus**, *a wherry*; **mar-culus** (martulus, Plin. ed. Detlef.), *a hammer*; **mus-culus**, *a little mouse, a muscle* (mūsi-); **orbi-culus**, *a small dish or roller*; **panni-culus**, *a rag* (panno-); **passer-culus**, *a little sparrow*; **Pāter-culus**, *a surname of Velleian clan*; **pēni-culus**, *a brush*; **pisci-culus**, *a little fish*; **ponti-culus**, *a little bridge*; **pulvis-culus**, *a little dust*; **puti-culi** (pl., Varr., Fest.), *gravepits* (pūteo-); **quæsti-culus**, *a small profit* (quæstu-); **rāmus-culus**, *gossip* (rūmōs-); **sensi-culus** (Quint.), *a clause* (sensu-, sensus, *a sentence*, Quint.); **scrōbi-culus**, *a little trench*; **sirpi-culus** (surp-, scirp-), *a rush basket* (sirpo-); **sur-culus**, *a shoot* (said to be from sūro-, *a shoot*); **testi-culus**; **ventri-culus**, *the stomach*; **vermi-culus**, *a grub*; **versi-culus**, *a short verse* (versu-); **utri-culus**, *a little bag*; **vultī-culus**, *a mien* (vultu-).

(b) Feminine: diminutives of feminine nouns:

œdi-cula, *a chapel*; **ānāti-cula**, *a duckling* (ānāt-); **ānī-cula**, *an old woman* (ānu-); **āpi-cula**, *a little bee*; **arbus-cula**, *a shrub* (arbōs-); **auri-cula**, *the external ear*; **bū-cula**, *a heifer* (bōvi-); **cāni-cula**, *a bitch, the dog star* (cān-, § 448); **cicer-cula** (cicēr-, n., but also cīcēra-, f.); **classi-cula**, *a flotilla*; **cohorti-cula**, *a small troop*; **crāti-cula**, *a gridiron*; **cūti-cula**, *the skin*; **diē-cula**, *a brief day*; **febri-cula**, *a feverish attack*; **fīdi-culæ** (pl.), *a lute, a rack*; **lābe-cula**, *a slight stain* (lābi-, lābēs); **lenti-cula**, *a lentil*; **māni-cula**, *a little hand* (mānu-); **māter-cula**, *a mother dear*; **mūlier-cula**, *a girl*; **nāvi-cula**, *a skiff*; **nōvā-cula**, *a razor* (nōvāre, *to renew?*); **nūbe-cula**, *a little cloud* (nūbi-, nūbēs); **pani-cula**, *a tuft* (pāno-, m.); **parti-cula**, *a little bit*; **pellī-cula**, *a small skin*; **plēbē-cula**, *the populace* (plēbe-); **resti-cula**, *a small rope*; **rūdi-cula**, *a mull*; **sēcūri-cula**, *a little axe*; **sēde-cula**, *a little seat* (sēdi-, sedes); **sicli-cula**, *a small sickle*; **spē-cula**, *a slight hope*; **sūbū-cula**, *a shirt* (from sub? comp. ex-u-ēre); **sū-cula**, *a little pig, a winch* (sui-, su-, § 392; also *the Hyades* from a confusion of ὕειν with ὕς); **tēgēt-i-cula**, *a little mat* (tēgēt-); **vēpre-cula**, *a small briar* (cf. § 430); **vīti-cula**, *a little vine*; **vulpe-cula**, *a little fox* (vulpi-, vulpēs); **uxor-cula**, *a darling wife*.

(c) Neuter: (1) diminutives from nouns:

conventi-culum, *an assembly* (conventu-); cor-culum, *little heart*; also a surname of Scipio Nasica for his *good sense* (cordi-); corni-culum, *a little horn* (cornu-); corpus-culum, *a particle* (corpōs-); crēpus-culum, *twilight* (comp. crēpēro-, κνέφας); fēnus-culum, *a little interest* (fēnōs-); gālērī-culum (Suet.), *a small cap* (gālēro); gēni-culum, *a little knee* (gēnu-); hōlus-culum, *a bit of vegetable*; jēcus-culum, *a small liver* (jēcōs-); lāter-culum, *a list* (later-, masc. *a brick*); lātus-culum, *a small side*; mūnus-culum, *a small present*; ōpus-culum, *a small work*; os-culum, *a pretty mouth, a kiss*; ossi-culum, *a small bone*; raudus-culum, *a bit of metal*; rēti-culum, *a small net*; tuber-culum, *a small bump*; tus-culum, *a bit of incense*; vas-culum, *a small vessel*; ulcus-culum, *a small sore*.

(2) from verbs (chiefly):

adminiculum, *a prop* (comp. ad mānum); āmic-ulum, *a mantle* (where c is radical; āmicīre); bā-culum, *a staff* (comp. βάκτρον, βαί-νω); cēnā-culum, *a dining-room, an upper room* (cenāre); crēpītā-culum, *a rattle* (crēpītāre); cūbi-culum, *a chamber* (cūbā-, cūbare); curri-culum, *a course* (curr-ēre); dēvert-iculum, *a bypath, an inn* (devert-ēre); dīlūc-ulum, *daybreak* (dīlūce-sc-ēre); ēverr-iculum, *a drag-net* (ēverrēre); fer-culum, *a bier, a tray* (fer-re); gūbernā-culum (gubernaculum), *a helm* (gubernāre); hibernā-culum, *a winter lodging* (hibernare); incern-iculum, *a sieve* (incernēre); irridi-culum, *a laughing-stock* (irridēre); jentā-culum, *breakfast* (jentāre); mīrā-culum, *a wonder* (mīrārī); ōper-culum, *a lid* (ōpērīre); ōrā-culum (ōrāclum), *a divine utterance* (ōrā-re); pērī-culum (pērīclum), *a trial, risk* (comp. pērī-tus); perpend-iculum, *a plumb line* (as if from perpendere); piā-culum, *an expiation* (piāre); pō-culum (pō-clum), *a cup* (comp. pō-tus), prōpugnā-culum, *a bulwark* (prōpugnā-re); rēceptā-culum, *a magazine, a retreat* (receptā-re); rēdīmī-culum, *a necklace* (rēdīmī-re); rētīnā-cula (pl.), *reins* (rētīnēre); sēc-culum (sēcclum), *a generation* (*a sowing?* sa-, sērēre); sar-culum, *a hoe* (sārīre); senā-culum (Varr.) *a senate hall* (comp. sēnātus); spectā-culum, *a sight* (spectāre); spīrā-culum, *a breathing-hole* (spīrā-re); subligā-culum, *a waistband* (subligā-re); sustentā-culum (Tac.), *a support* (sustentā-re); tabernā-culum, *a tent* (tāberna-); terrī-cula (pl.), *bugbears* (terrēre); tōmā-culum (tōma-clum), *a sausage* (comp. τῶμη); torc-ulum, *a press* (torqvēre); vēh-i-cūlum, *a carriage* (vēh-ēre); vin-culum (vinclum), *a bond* (vincīre); umbrā-culum, *a shady place, a parasol* (umbrā-re).

-un-cūlo i.e. -cūlo suffixed to stems (real or presumed) in -ōn.

863

Substantives:

(a) Masculine: āv-unculus, *a mother's brother* (āvō-, *a grandfather*); carb-un-culus, *a small coal* (carbōn-); cent-un-culus, *a*

small patchwork (centōn-); *fūr-un-culus*, a petty thief (fūr-); *hōm-un-culus*, a poor fellow (hōmōn-); *lātr-un-culus*, a footpad, a pawn in draughts (lātrōn-); *lēn-un-culus*, (1) a young pander; (2) a skiff; *pect-un-culus*, a small scallop (pectēn-); *pētās-un-culus* (Juv.), a small leg of pork (pēt-ā-sōn-); *pugi-un-culus*, a small dagger (pugiōn-); *rān-un-culus*, a tadpole (rāna-); *serm-un-culus*, tittle-tattle (sermōn-); *tīr-un-culus*, a young beginner (tīrōn-).

(b) Feminine: chiefly diminutives of substantives in -tīōn (-sīōn); frequent in Cicero:

œdificā-tiun-cula, a small building; *ambulā-tiun-cula*, a short walk; *assentā-tiun-cula*, a bit of flattery; *can-tiun-cula*, a sweet song; *cap-edun-cula*, a small bowl (capēdōn-); *cap-tiun-cula*, a quibble; *cār-un-cula*, a piece of flesh (carōn- nom. cāro); *cēnā-tiun-cula* (Plin. Ep.), a small dining-room; *commō-tiun-cula*, a slight disturbance; *con-tiun-cula*, a short harangue; *conelū-siun-cula*, a quibbling argument; *contrac-tiun-cula*, a slight oppression; *dōm-un-cula* (Val. Max.), a small house (dōmu-); *icūn-cula* (Suet.), a little image (εἰκόν-); *im-agun-cula* (Suet. cf. Cic. Att. 6. 1. §. 25), a little likeness (imāgōn-); *interroga-tiun-cula*, a short question; *lec-tiun-cula*, a little reading; *lēg-iun-cula*, a small legion (legiōn-); *mor-siun-cula* (Plaut.), a soft bite (morsu-); *occā-siun-cula* (Plaut.), a neat opportunity; *offen-siun-cula*, a slight offence; *ōrā-tiun-cula*, a little speech; *posses-siun-cula*, a small possession; *quæs-tiun-cula*, a trifling question; *rā-tiun-cula*, a little account; *rōgā-tiun-cula*, a little question; *ses-siun-cula*, a little sitting; *vir-gun-cula*, a little girl (virgōn-); and others.

(c) Neuter: *mendaci-unculum* (only abl. plur.), a fib.

-us-cūlo i.e. cūlo- suffixed to the stem of the comparative degree: *alti-us-culus* (Suet.), somewhat high; *compl-us-culi* (pl.), pretty many; *duri-us-culus* (Plin.), somewhat harsh; *grandi-us-cula* (f., Ter. Andr. 815), pretty well grown-up; *liquidi-us-culus* (Plaut.), softer; *longi-us-culus*, rather long; *maj-us-culus*, somewhat greater; *melli-us-culus*, somewhat better; *min-us-culus*, rather less; *nitidi-us-culus* (Plaut.), somewhat shiny; *plus-culus*, somewhat more, several; *putidi-us-culus*, somewhat more disagreeable; *tardi-us-culus*, somewhat slow; *uncti-us-culus* (Plaut.), somewhat unctuous. So the adverb *cēlōri-us-cule* (Corn.), somewhat more quickly.

-ēd-ūlo- *mōn-ēdula*, a jackdaw; *nītedula*, a dormouse; *qver-qvedula*, a kind of duck.

-uī-ūlo *paullulus*, very little, also as surname.

-ell-ūlo i.e. ūlo added to diminutives in ello (for ērūlo); *agellulus* (Catul.), a little field (āgello-); *bellulus* (Plaut.),

pretty (bello-); cist-ellula, a little box (cistella-); lamellula (Petr.), a metal plate (lammīna-); puellula, a little girl (puella); tenellulus, delicate (tēnēro-).

ill-ūlo i.e. ūlo suffixed to diminutives in -illo.
ancillula, a little handmaid (ancilla-); paucillulus, very small (paucillo-).

-llo (1) Adjectives: *aquilus, dark-coloured; mutilus, mutilated, esp. having lost a horn (comp. μίτυλος); nūb-ilus, cloudy (nūbi-); rutilus, auburn, also as surname; and see § 424.*

(2) Substantives:

āquila, an eagle; jūbillum, a wild cry; pūmilus, a dwarf; sandāpilla, a common bier; sibilus, a hiss, whistling; similla, fine wheat flour.

-allo *cāballus, a hack; callum, thick skin; galla, a gall nut; gallus, a cock; intervallum (part between the palisades), interval (inter, vallo-); palla, a cloak; vallus, (1) a winnowing fan (vanno); (2) a stake (comp. ἥλος, § 91); vallum, a palisading.*

Proper names: **Hispallus (Hispānulus); Messalla (Messānūla); Ralla (rānūla?).**

-aullo *paullus, a little, few (pauc-): also as surname.*

-ollo *ābolla, a thick woollen gown (comp. ἀναβολή); collum, a neck; cōrolla, a garland (for cōrōnula); ollus, that (old form of ille, § 373); olla (aula), a pot; persolla (Plaut. once), little mask (for persōnūla); sollus (sōlus), alone (comp. ὅλος, Ion. οὐλος).*

-ul-lo (1) Adjectives: *pullus, dusky; sātullus (Varr. once), sated (sātūro-); ullus, any (ūno-).*

(2) Substantives: (a) appellatives: *ampulla, a flask (for ampōrūla); betulla, birch-tree; bulla, a bubble, a stud; cūcullus, a hood; hōmullus, a manikin (for hōmon-, cf. § 449); lēnullus (Plaut. Pæn. II. 25), a little pander (lēnōn-); mēdulla, the marrow, pith (comp. mēdio-); mullus, a mullet; pullus, a young animal, esp. a chick; trulla, a ladle (trua-).*

(b) Proper names: **Cātullus for Cātōnulus; Lūcullus; Mārullus for Mārōnulus; Rullus; Tertullus; Tibullus; Tullus.**

Sulla for sūrula, little calf of leg.

-el-lo Usually arises from the diminutival suffix and assimilation of the preceding consonant (§ 176. 1), so that it is = -ērūlo, -ēnūlo, or the doubly diminutival -ūlūlo. Cf. § 213. 5.

1. Adjectives:

bellus, pretty (*bōno-*); *gēnellus*, twin (*gēmīno-*); *intēgellus*, tolerably sound (*intēgero-*); *misoellus* (rare), mixed (comp. *miscēre*); *misellus*, pitiable (*misēro-*); *mollicellus* (Catull.), soft (*mollicūlo-*); *nōvellus*, new (*nōvo-*); *pulcellus*, pretty and little (*pulcero-*); *rūbellus*, reddish (*rūbero-*); *tēnellus*, delicate (*tēnēro-*).

2. Substantives:

(a) Masculine: *āgellus*, a small field (*āgero-*); *ānellus*, a little ring (*ānūlo-*); *angellus* (Lucr.), a small corner (*angūlo-*); *āsellus*, an ass's colt (*āsīno-*); *cancelli* (pl.), a grating or bars; *cātellus*, a puppy (*cātūlo-*); *cultellus*, a small knife (*cultero-*); *libellus*, a pamphlet, petition, &c. (*libero-*); *lōcellus*, a little compartment (*lōcūlo-*); *ōcellus*, a dear little eye (*ōcūlo-*); *pōpellus*, the rabble (*pōpūlo-*); *porcellus*, a little pig (*porcūlo-*); *puellus*, a boy (*puēro-*); *rastellus*, a small rake (*rastero-*; cf. § 369); *vītellus*, the yolk of an egg (*vītūlo-*, a calf).

Proper names: *Marcellus* (*marco-*, *marcūlo-*); *Mētellus*.

Colūmella (vid. infr.); *Dōlabella* (vid. infr.); *Fēnestella* (vid. infr.); *Ofella* (vid. infr.).

(b) Feminine: *cāmella*, a wine cup (*cāmēra-*, a vault?); *cāpella*, a shegoat (*cāpera-*); *cātella*, a small chain (*cātēna-*); *cella*, a store-room; *clitellæ* (pl.), panniers; *cōlūmella*, a small pillar (*cōlūmena-*); *dextella*, a little right hand (*dextera-*); *dōlabella*, a small pickaxe; (*dōlabra-*); *fābella*, a short story (*fābūla*); *fēmella* (Catull.), a girl (*fēmīna-*); *fenestella*, a little window (*fēnestra-*); *fiscella*, a small basket (*fiscīna-*); *lāmella* (Sen.), a plate of metal (*lāmīna-*); *mātella*, a pot (*mātūla-*); *mītella*, a turban (*mitera-*); *numella*, a fetter; *ōfella*, a little bit; (*offūla*); *ōpella*, light work (*ōpera-*); *pāgella*, a short page (*pāgīna-*); *pātella*, a small dish (*pātīna-*); *prōcella*, a storm (comp. *procellēre*); *puella*, a girl (*puēra-*); *scutella*, a small dish (*scutra-*); *sella*, a chair (*sēdi-*); *sītella*, a ballot urn (*sītūla-*); *sportella*, a little basket (*sportūla-*); *stella*, a star (*stēra-*? comp. *ἀστέρη*-, Engl. *star*); *tābella*, a tablet, esp. for writing or voting (*tābūla-*); *tessella*, a little cube (*tessēra-*); *turbellæ* (pl. Plaut.), a stir (*turba-*); *umbella*, a sunshade (*umbra-*); *volsellæ* (pl.), tweezers (comp. *volso-*, *vellēre*).

(c) Neuter; almost all diminutives of neuters in -ro:

castellum, a fort; *cērēbellum*, a small brain; *duellum* (*bellum*), war (duo); *flābellum*, a small fan; *flāgellum*, a scourge; *lābellum*, a pretty lip (*labro-*); *lābellum*, a bathing tub (*lāvabra-*); *lūcellum*, a small gain; *mācellum*, meat market (orig. unknown); *plōstellum*, a small waggon; *rostellum* (Col., Plin.), a small beak; *sācellum*, a shrine; *scalpellum*, a lancet.

-illo In some cases for **-inŭlo-**; in others from words with 870
1; e.g. **ŏvi-**, **lapīd-**, &c.: in others probably (from false
analogy) appended directly as a diminutival suffix.

1. Adjectives:

aliquantillus (Plaut. once), *some little* (**aliquanto-**); **ŏvillus**, *of sheep* (**ŏvi-**); **pauillus**, *little* (**pauco-**); **pūsillus**, *very small* (comp. **pusus** very rare, *a boy*); **quantillus**, *how very small* (**quanto-**); **suillus**, *of swine* (**su-**); **tantillus**, *so very little* (**tanto-**).

2. Substantives:

(a) Masculine: **cāmillus**, *a youth-priest*; **cāpillus**, *the hair of the head*; **cātillus**, *a small bowl* (**cātino-**); **cōdicilli** (pl.), *a (writing) note* (**cōdēc-**); **fritillus**, *a dice box*; **hædillus**, *a little kid* (**hædo-**); **lāpillus**, *a little pebble* (**lāpid-**); **lūpillus**, *a small lupine* (**lūpino-**); **pastillus**, *a lozenge*; **paxillus** (Plin., Col.), *a peg*; **pēnicillus**, *a paint brush* (**pēnicŭlo-**); **pugillus** (rare), *a handful* (**pugino-**); **pulvillus**, *a little cushion* (**pulvino-**); **pūpillus**, *a ward* (**pūpo-**); **villus**, *a tuft of hair*.

Proper names: **Cāmillus** (see above); **Faustillus** (**Faustino-**); **Pulvillus** (**pulvino-**); **Regillus** (**rēgŭlo-**); **Rufillus** (**Rūfino-**); and others. Also **Axilla** (vid. infr.); **Ravilla** (**rāvus**, *gray?*).

(b) Feminine: **ancilla**, *a handmaid*; **angvilla**, *an eel* (**angvi-**); **argilla**, *white clay* (from *ἀργιλλος*, comp. *ἀργό-*, *white*); **armillæ** (pl.), *bracelets* (**armo-**, *shoulder*); **axilla** (orig. form of **āla** acc. to Cic. Or. 45, but see § 871), *armpit* (**axi-**); **fāvilla**, *glowing ash*; **fritilla**, *gruel used at sacrifices*; **furcilla**, *a little fork* (**furca-**); **mā-milla**, *a breast* (**mamma-**); **maxilla** (cf. Cic. Or. 45), *a jawbone* (comp. *μαγ-*, *μάσσω*, *knead*); **pāpilla**, *a teat* (comp. **pāpŭla**); **pis-trilla**, *a mill* (**pistrina-**); **pūpilla**, *a female ward, the pupil of the eye* (**pūpa-**); **scintilla**, *a spark*; **squilla**, *a shrimp*; **stilla**, *a drop* (comp. **stāria**, *icicle*); **tonsillæ** (pl.), **tēsillæ** (C. N.D.), *the tonsils*; **villa**, *a country-house* (**vīco-?**).

Proper names: e.g. **Dōmītilla** (comp. **Domitio-**); **Drusilla** (**Druso-**); **Livilla** (**Livia-**); **Priscilla** (**Prisco-**); **Procilla** (**Proculo-**); **Quintilla** (**Quinto-**); **Rufilla** (**Rūfino**); and others. •

(c) Neuter: **bācillum**, *a small stick* (**bācŭlo-**); **bātillum**, *a fire-pan*; **oscillum**, *a little image of a face* (**oscŭlum**); **pistillum**, *a pestle* (comp. **pisto-**, participle of **pīns-ēre**); **pōcillum**, *a cup* (**pōcŭlo-**); **quāsillum**, *a wool basket* (comp. **quālo-**); **sālillum**, *a salt-cellar* (**sālino-**); **scābillum** (**scabellum**), *a footstool, castanet played by foot* (**scamno-**, cf. § 78.5); **sigillum**, *a seal* (**signo-**); **specillum**, *a probe* (**spēc-ēre**; comp. **spēcŭlum**); **tēgillum**, *a covering* (**tēg-ēre**); **tīgillum**, *a little beam* (**tigno-**); **vexillum**, *a banner* (**vēh-ēre**; comp. **vēlum**).

-ālo The long vowel is probably due to the contraction of ⁸⁷¹ longer forms (see Cic. Or. 45).

āla, a wing (for *axula*?); *māla*, a jaw (for *maxula*? § 870, 2, b.); *mālus*, a mast; *pālus*, a stake; *pāla*, a spade; *quālum* (also plur. *quāli*), a hamper (for *quasulum*? comp. *quāsillum*); *scālæ* (pl.), stairs (for *scand-ulæ*?); *tālus*, an ankle.

Proper name: *Ahala* (comp. *āla*; and *vēhēmens* with *vēmens*).

-aulo *caulæ* (pl.), holes (*cāvo*-).

-ōlo *cōlum*, a sieve; *sōlus*, alone (see *sollus*).

-ūlo *cūcūlus*, a cuckoo; *cūlus*, i. q. *ānus*; *mūlus*, a mule.

-ælo *cælum*, heaven; *cælum*, a graving tool.

-ēlo }
(**-ello**) } (a) feminine. In some the suffix is appended to the ⁸⁷² simple verb-stem; in some to the past participle; in some to other forms. (Lachmann draws from early MSS. the use of writing double l if the syllable preceding e be short.)

candela, a candle (*candēre*, to glitter); *cautela* (Dig.), a security (*cauto*-); *cicendela*, a glow-worm (a rustic name reduplicated from *candēla*?); *clientela*, protection (*clienti*-); *corruptēla*, a corruption (*corrupto*-); *custōdēla* (Plaut. and ap. Gaj.), guardianship (*custōd*-); *lōqvella*, speech (*lōqvi*); *mustēla*, a weasel; *nītēla*, a dormouse; *obsēqvella*, complaisance (*obsēqvi*); *qvērella*, a complaint (*qvēri*); *sēquella* (rare), a follower (*sēqui*); *suadēla*, persuasion (*suādēre*); *sūtēla*, an artifice (*sūto*-); *tēla*, a web (for *texūla*?); *tūtēla*, guardianship (*tūto*-).

(b) neuter: *mantēlum*, a cloak; *prēlum*, a press (*prēm-ēre*); *tēlum*, a dart; *vēlum*, a sail (for *vēh-ulum*?).

-flō *flum*, a thread; *hflum*, a trifle; *pfla*, a pillar; *pflum*, ⁸⁷³ a pestle, a heavy pike (*pfls-ēre*); *sflus* (for *sflmflus*?), pug-nosed.

ii. Stems ending in -ll.

With few exceptions all derivatives in -ll are, at least primarily, adjectives.

-ll *billis* (f.), bile; *callis* (m. f.), a path; *caulis* or *cōllis* (m.), ⁸⁷⁴ a stalk (from *καυλός*?); *collis* (m.), a hill (comp. *cul-men*, *cōl-umna*); *fēles* (f.), a cat; *follis* (m.), a bag, bellows; *mæles* (f.),

a badger; mille (n.), *a thousand*; mōles (f.), *a shapeless mass*; mollis (adj.), *soft* (comp. μαλ-ακός); pellis (f.), *a skin*; prōles (f.), *offspring* (pro, ōlere, *to grow*); vallis (f.), *a valley*; vīlis (adj.), *cheap*.

-lī fel (n., stem fell-), *gall* (comp. χόλος); mel (n., stem mell-), *honey* (comp. μέλι); sal (m. or n.), *salt* (comp. σάλος); sōl (m.), *the sun* (comp. ἥλιος).

-stīl consul, *a colleague?*; exul, *an exile*. Comp. præsul, *a dancer in front* (sālīre).

-līlī (a) from verbal stems: āg-līlī, *nimble, active* (āg-ēre); 875
dēbīlīlī, *weak* (de, hābīlīlī); fācīlīlī, *do-able, easy* (fācē-
re); frāg-līlī, *frail* (frang-ēre); hābīlīlī, *manageable, apt* (hābēre);
nūb-līlī, *marriageable* (nūb-ēre); sorbīlīlī (Cels. &c.), *suckable*
(sorbēre); strīgīlīlī (f.), *a scraper* (string-ēre); ūt-līlī, *useful* (ūt-l).

(b) from nouns and others: grācīlīlī, *thin*; hūm-līlī, *lowly*
(hūmo-, *the ground*); nōvensīlīlī (pl.), *the New Gods* (opposed to
Dīl indigetes; comp. nōvo-); pārīlīlī (Lucr., Ov.), *like* (parī-); sīm-
līlī, *like* (comp. sīm-plex, sēm-el, &c., ἄμα); stēr-līlī, *barren*; ūten-
sīlīlī (chiefly in neut. pl. as subst.), *usable* (ūtī-).

-bī-lī All from verbs, or verbal forms: usually with a passive 876
signification:

(1) with short vowel preceding suffix:

ālībīlīlī, *nourishing, nourishable* (āl-ēre); condūcībīlīlī, *advanta-
geous* (condūc-ēre); crēdībīlīlī, *credible* (crēd-ēre); horrībīlīlī, *exciting
a shudder* (horrēre); impātībīlīlī, *insufferable* (in, pāt-l); intellēgī-
bīlīlī (Sen.), *mentally cognisable* (intellēg-ēre); restībīlīlī, *of land
sown or tilled every year* (re, sī-st-ēre); stābīlīlī, *steady* (stāre); ter-
rībīlīlī, *frightful* (terrēre); vendībīlīlī, *saleable* (vend-ēre); vincībīlīlī,
win-able (vinc-ēre); ūtībīlīlī (Plaut., Ter.), *serviceable* (ūt-l).

(2) with ā preceding suffix:

admīrā-bīlīlī, *wonderful*; æquā-bīlīlī, *equal, equable*; æquīpārā-
bīlīlī (Plaut.), *comparable*; affā-bīlīlī, *affable*; āmā-bīlīlī, *loveable*;
commendā-bīlīlī, *praiseworthy*; congregā-bīlīlī (Cic. once), *grega-
rious*; delectā-bīlīlī (Tac.), *delightful*; desidērā-bīlīlī, *desirable*; de-
testā-bīlīlī, *execrable*; dōmā-bīlīlī (Hor., Ov.), *tameable*; dūrā-bīlīlī,
lasting; ēmendā-bīlīlī, *capable of correction*; exōrā-bīlīlī, *that may be
talked over*; fāvōrā-bīlīlī, *popular* (favorāre not used); hābitā-bīlīlī,
habitable; hōnōrā-bīlīlī (Cic. once), *complimentary*; imītā-bīlīlī, *imit-
able*; impēnētrā-bīlīlī, *impenetrable*; implācā-bīlīlī, *unappeasable*; in-
ēnarrā-bīlīlī, *indescribable*; inexōrā-bīlīlī, *inexorable*; inexplicā-bīlīlī,
inexplicable; inexpugnā-bīlīlī, *impregnable*; innūmērā-bīlīlī, *countless*;

insatiā-bilis, insatiable; *intolerā-bilis*, insupportable; *irreparā-bilis*, irretrievable; *irrevocā-bilis*, irrevocable; *laetā-bilis*, joyful; *laudā-bilis*, praiseworthy; *medicā-bilis*, curable, curative; *memorā-bilis*, memorable; *misērā-bilis*, pitiable; *mūtā-bilis*, changeable; *nāvigā-bilis*, navigable; *optā-bilis*, desirable; *pēnētrā-bilis*, penetrable, penetrating (*penetrāre*); *placā-bilis*, appeasable; *præstābilis*, preeminent; *prōbā-bilis*, probable, acceptable; *sānā-bilis*, curable; *spectā-bilis*, visible, notable; *tractā-bilis*, manageable; *venerā-bilis*, venerable; *violā-bilis*, violable; and others.

(3) with long vowel (other than *ā*) preceding the suffix:

dēlē-bilis (Mart.), destructable; *dissolū-bilis*, dissoluble (*dissolv-ēre*); *flē-bilis*, lamentable; *ignō-bilis*, undistinguished (*in, no-sc-ēre*); *inexplē-bilis*, insatiable; *mō-bilis*, moveable, changeable (*mōv-ēre*); *nō-bilis*, famous, noble (*no-sc-ēre*); *sēpeli-bilis* (Plaut. once), buryable (*sēpeli-re*); *vōlū-bilis*, revolving, fluent (*volv-ēre*).

-si-bi-li
(for *ti-bi-li*) } i.e. *bi-li* appended to stem of past participle (except 877 in *possibilis*):

flexibilis, pliant; *plausibilis*, praiseworthy; *persuasibilis* (Quint.), persuasive; *possibilis* (Quint. and Dig.), possible (*pōt-, posse*); *sensibilis* (Sen.), perceivable by senses.

-tili
(*-sili*) } i.e. *li* appended to stem of supine or past participle. It 878 denotes possibility and quality (not action):

al-tilis, fattened (*āl-ēre*); *coc-tilis*, baked (*coqv-ēre*); *compac-tilis* (Plin.), thick-set (*comping-ēre*); *diffūs-tilis* (Lucr.), expansive (*diffundere*); *ēlec-tilis* (Plaut.), choice (*elig-ēre*); *fer-tilis*, fertile (*fer-re*); *fic-tilis*, made by potters (*fig-ēre*); *fis-silis*, cleavable (*find-ēre*); *flex-tilis*, pliant (*flect-ēre*); *fos-silis*, dug up (*fōdē-re*); *fū-silis*, molten (*fund-ēre*); *fut-tilis*, brittle, frothy, untrustworthy (from obsolete *fu-ēre*=*fundere*? the doubled *t* being indicative of the length of the syllable); *mis-silis*, missile (*mitt-ēre*); *nex-tilis*, tied (*nect-ēre*); *pen-silis*, hanging (*pend-ere*); *plec-tilis* (Plaut. once), woven (*plect-ēre*); *rā-silis*, scraped (*rād-ēre*); *scan-silis* (Plin.), climb-able (*scand-ēre*); *sec-tilis*, cut-able, cut (*sēcāre*); *sen-silis*, sentient (*sentire*); *ses-silis*, fit for sitting, dwarf (*sēdēre*); *sōlū-tilis* (Suet.), capable of dropping to pieces (*solv-ēre*); *sū-tilis*, sewed together (*su-ēre*); *tac-tilis* (Lucr.), touch-able (*tang-ēre*); *tex-tilis*, woven (*tēg-ēre*); *ton-silis*, that may be clipt (*tondēre*); *tor-tilis*, twisted (*torqvēre*); *vi-tilis*, platted (*viēre*); and some others.

supellex (for *supellectilis*, furniture (properly coverings? *super lectum*; or odd-gatherings? *super, lōg-ēre*, comp. Pott, *Etym. For.* II. 545, ed. 2).

-āt-īlī (1) from verbs:

plīc-āt-īlīs (Plin.), *that may be folded* (plīcā-re); **vers-āt-īlīs**, *revolving, versatile* (versā-re); **vōl-āt-īlīs**, *winged* (vōlā-re).

(2) from nouns:

879

āqv-ātīlīs, *living in water* (āqva-); **ferr-ātīlīs** (Plaut.), *of slaves often fettered, living in iron* (ferro-); **flūvi-ātīlīs**, *belonging to a river* (flūvio-); **pluviatīlīs** (Cels.), *of rain-water* (pluvia-); **piscatum hamatīlem et saxatīlem** (Plaut. Rud. 299), *fishing with hooks and on rocks* (hāmo-, saxo-); **umbr-atīlīs**, *in the shade* (umbra-).

-ālī 1. Adjectives:

880

ādītī-ālīs, *on entering office* (ādītu-); **æqv-ālīs**, *level* (æqvo-); **ambarv-ālīs** (Fest.), *that goes round the fields* (amb, arva); **ānīm-ālīs**, *having life* (ānīma-); **ann-ālīs**, *for a year, relating to a year* (anno-); **arv-ālīs**, *only of the college called Fratres arvales* (arvo-); **augūr-ālīs**, *of augurs* (augūr-); **austr-ālīs**, *southern* (austro-); **bīpēd-ālīs**, *two feet long* (bīs, pēd-); **brūm-ālīs**, *of mid-winter* (brūma-); **cāpīt-ālīs**, *of the head, deadly* (cāpūt-); **centumvīr-ālīs**, *of the court of the Hundred men* (centum, vīro-); **cōmītī-ālīs**, *of the assembly* (cōmītīo-); **conjectūr-ālīs**, *conjectural* (conjectūra-); **conjūg-ālīs** (Col., Tac.), *of marriage* (conjūg-); **convīv-ālīs**, *of a dinner party* (convīva-); **corpōr-ālīs** (Sen., Dig.), *of the body* (corpōs-); **crīn-ālīs** (Verg., Ov.), *of the hair* (crīni-); **Dialīs** *of the day-god, i. e. Jupiter* (die-); **dōt-ālīs**, *belonging to a dowry* (dōtī-); **ēsūrī-ālīs** (Plaut.), *of hunger* (ēsūrīe-); **extempōr-ālīs** (Quint., &c.), *extemporaneous* (ex, tempōre); **fāt-ālīs**, *of the fates, destined, fatal* (fāto-); **fēr-ālīs**, *of the dead*; **Flōr-ālīs**, *of the Flower Goddess* (flōra-); **flūvi-ālīs** (Verg., Col.), *of a river* (flūvio-); **frūg-ālī-** (only in comp. and sup.), *thrifty* (frūg-); **fulgūr-ālīs** (Cic. once), *of lightning* (fulgūr-); **fūrī-ālīs**, *of the furies, raging* (fūria-); **gēnēr-ālīs**, *of a class, general* (gēnūs-); **gēnī-ālīs**, *of the Genius, joyful, nuptial* (gēnīo-); **gēnīt-ālīs**, *of birth or generation* (gēnītō-); **grēg-ālīs**, *of the herd, common* (grēg-); **hiēm-ālīs**, *of winter* (hiēm-); **hīstrīōn-ālīs** (Tac.), *of an actor, stagy* (hīstrīōn-); **hospīt-ālīs**, *of a guest or host* (hospēt-); **illībēr-ālīs**, *unworthy of a freeman* (in, libēro-); **infītī-ālīs**, *consisting of a denial* (infītīa-); **lēg-ālīs** (Quint.), *of the law* (lēg-); **jūdicī-ālīs**, *of the courts of justice* (jūdicīo-); **jūg-ālīs**, *of a yoke* (jūgo-); **jūrīdicī-ālīs**, *relating to a question of rightful conduct* (jus- dic-ēre; cf. Corn. I. 14); **libēr-ālīs**, *of a free-man* (libēro-), **libr-ālīs** (Plin., Col.), *of a pound* (libra-); **lustr-ālīs**, *of purification* (lūstro-); **mānū-ālīs**, *for the hand* (mānu-); **mārīt-ālīs**, *of married persons* (mārītō-); **Martī-ālīs**, *of Mars* (martī-); **mātrōn-ālīs**, *matronly* (matrona-); **mōr-ālīs** (first formed by Cic.), *of conduct* (mōs-); **mort-ālīs**, *subject to death, human* (mortī-); **mūr-**

alis, of walls (*mūro-*); *nāt-ālis*, of birth (*nāto-*); *nātūr-ālis*, natural (*nātūra-*); *nāv-ālis*, of ships (*nāvi-*); *nēmōr-ālis*, of groves (*nēmōs-*); *nīv-ālis*, of snow (*nīvi-*); *nupti-ālis*, of a wedding (*nuptia-*); *pāc-ālis* (Ov.), of peace (*pāci-*); *pārent-ālis*, of parents (*pārenti-*); (Lucr.) *pēnētr-ālis*, penetrating (*pēnētrā-re*) innermost (from an assumed *pēnētrum?*); *plūr-ālis* (Quint.), plural (*plūsi-*); *plūvi-ālis*, rainy (*plūvia-*); *princīp-ālis*, of the chief, chief (*princēp-*); *provinci-ālis*, of a province (*prōvincia-*); *pūte-ālis*, of a well (*pūteo-*); *qvālis*, of what kind (*quo-*); *qvinqvenn-ālis*, happening every five years (*quinque, anno-*); *rātiōn-ālis*, having or belonging to reason (*rātiōn-*); *rēg-ālis*, kingly (*rēg-*); *sesqvīpēd-ālis*, a foot and a half in measure (*sesquīpēd-*); *sōci-ālis*, of companions or allies (*sōcio-*); *spēcī-ālis* (Sen., Quint.), special (*spēcīe-*); *vālis*, such (*to-, comp. tam, tum*); *tempōr-ālis*, of time; also post-Aug. temporary (*tempōs-*); *theātr-ālis*, theatrical (*theatro-*); *triumph-ālis*, triumphal (*triumpho-*); *vectīg-ālis*, of taxes, tax-paying; *vēn-ālis*, for sale (*vēno-*); *virgīn-ālis*, maidenly (*virgōn-*); *vīt-ālis*, of life, long-lived (*vīta-*); *vōc-ālis*, voiceful (*vōc-*) and others.

2. Substantives: many of these stems are also used as adjectives, some of which are given above:

(a) Masculine: *ann-ālis*, a history (*anno-*); *cān-ālis*, a conduit (comp. *canna*, a reed?); *cōmīti-ālis*, an epileptic (*cōmītio-*); *cōntūbern-ālis*, a comrade (*com, tāberna-*); *Cūri-ālis*, a man of the district (*cūria-*); *fēti-ālis*, a priest ambassador; *mājālis*, a barrow-bog; *nāt-ālis*, a birthday; *nāt-āles* (pl.), lineage (*nāto-*); *rīv-ālis*, a rival, i.e. a person living on the same stream as another (*rivo-*); *sōdalis*, a mate.

Proper names: *Jūvēn-ālis* (*jūvēn-*); *Nāt-ālis* (vid. supr.).

(b) Neuter (cf. § 424): *ānīmal*, a breathing thing (*anima-*); *augūr-ale*, the augurial tent (*augūr*); *Baccān-al*, a place for rites of Bacchus (as if from *Baccāno-*, *Baccho-*); *bīdent-al*, a place consecrated, because struck by lightning (called from *sheep sacrificed*, *bīdenti-*?); *cāpīt-al*, a capital crime (*cāpūt-*); *cervīc-al*, a bolster (*cervīx-*); *cūbīt-al*, an elbow-cushion (*cubīto-*); *dent-ālia* (pl.), plough-irons (*denti-*); *fōc-ale*, a neckcloth (*fauci-*); *front-ālia* (pl.), frontlets (*fronti-*); *gēnu-ālia* (pl. Ov. once), garters (*gēnu-*); *Lūperc-al*, a place sacred to Pan (*Luperco-*); *mīnūt-al*, mincemeat (*mīnūto-*); *pēnētr-ale*, a sanctuary (see above, § 880, 1); *pūte-al*, a stone curb round a well (*pūteo-*); *qvadrant-al*, a firkin (really $5\frac{3}{4}$ gall.; a measure containing a fourth, *qvadranti-*, of some other measure); *rām-ālia* (pl.), twigs (*rāmo-*); *scūt-ale* (Liv. once), a leathern thong (*scūto-*); *spons-ālia* (pl.), a betrothal (*sponso-*); *tōr-al*, a couch-valance (*tōro-*); *tribūn-al*, a judgment-seat (*tribūno-*); *vectīg-al*, a tax (cf. § 963).

So also many names of feasts; in the plural neuter (cf. § 425). (The time of the year, when fixed, is here added as well as the name of the god or goddess, which however appears sometimes to be an invention of the Roman etymologers. See Mommsen, *Corp. Inscr. Rom.* i. pp. 375—410.)

Agonalia, Jan. 9, Mar. 17, Dec. 11 (*of sacrifice? āgēre*; comp. ἀγων?) **Angeronalia**, Dec. 21 (**Angerona**); **Baccanalia** (**Bákchos**); **Carmentalia**, Jan. 11 and 15 (**Carmentis**); **Cerialia**, Apr. 19 (**Cēres**); **Compitalia**, feast of the *Cross Roads* (compīto-); **Consualia**, Aug. 21, and Dec. 15 (**Consus**, stem conso-); **Fēralia** (but **Fēralia**, Ov.) *All Saints' Day*, Feb. 21. (*fer-re, to bring offerings*); **Floralia**, Apr. 21 (**Flora**); **Fontinalia** (**Fontanalia**), *Feast of Water Springs* (fonti-); **Fornacalia**, *Oven day* (**Fornax**); **Furrinalia**, Jul. 25 (**Furrina**); **Larentalia** (**Larentinalia**), Dec. 23 (**Acca Larentia**); **Liberalia**, Mar. 17 (**Liber**); **Lupercalia**, Feb. 15 (**Lūpercus**); **Matralia**, Jan. 11 (**Mater Matuta**, *Mother dawn?*); **Meditrinalia**, Oct. 11 (Varr. L. L. 6. 21); **Neptūnalia**, Jul. 23 (**Neptūnus**); **Opalia**, Dec. 29 (**Ops**); **Paganalia**, *Village festivals* (pāgāno-); **Parentalia**, Feb. 13—21, sacred to the dead (*parentāre, to sacrifice*); **Portunalia**, Aug. 17 (**Portunus**); **Quirinalia**, Feb. 17 (**Quirinus**); **Robigalia**, Apr. 25, *Mildew day* (**Rōbugo**); **Saturnalia**, Dec. 17—19 (**Saturnus**); **Terminalia**, Feb. 23, *Boundary day* (**Terminus**); **Vestalia**, Jun. 9 (**Vesta**); **Vinalia**, Apr. 23, Aug. 19, *Wine day*; **Volcanalia**, Aug. 23 (**Volcānus**); **Volturnalia**, Aug. 27 (**Volturnus**).

-ūli cūru-lis, *of a chariot* (cf. L. 24. 18), hence (cf. Gell. 3. 88, 18) sella curulis, *an official chair* (curru-); ēd-ūlis (usually in n. pl.), *eatable* (ēd-ēre); pēd-ulis (Ulp.), *for the feet* (pēd-); trību-lis (subst. m.), *a tribes-man* (trību-).

-ēli crūd-elis, *cruel* (crūdo-, raw); fīde-lis, *faithful* (fīde-); infīdelis, *unfaithful*; patru-elis, *of* (i. e. descended from) *a father's brother* (patruo-).

-ili 1. Adjectives: ān-ilis, *of an old woman* (ānu-); cīvilis, 882 *of a citizen* (cīvi-); ēr-ilis, *of a master* (ēro- or hēro-); exilis (contr. for exīgilis), *small*; fābr-ilis, *of a workman* (fābro-); gent-ilis (adj., only post-Aug.), *of a clan* (genti-); host-ilis, *of an enemy* (hosti-); jūvēm-ilis (also jūvēmālis, Verg., Suet.), *youthful* (jūvēm-); puēr-ilis, *of a boy* (puēro-); scurr-ilis, *buffoon-like* (scurra-); sēn-ilis, *of old people* (sēn-); serv-ilis, *slavish* (servo-); subtilis (for subtexilis), *suitable for woof* (cf. § 113), *fine*; vīr-ilis, *of a man* (vīro-).

2. Substantives: (a) masculine: Aed-ilis, *commissioner of Public Buildings* (aedi-); Aprilis, *the opening month* (from the bursting of vegetation, āpērīre); Quint-ilis, *the fifth month*, i. e. July (quinto-); Sextilis, *the sixth month*, i. e. August (sexto-).

(b) Neuter: *ancle*, an oval shield (for *ancīdile*; *am*, *cædēre*); *bōv-ile* or *būbile*, an ox-stall (*bōv-*, § 76); *cāpr-ile*, a goat-stall (*cāpro-*); *cūb-ile*, a bed (*cūbāre*); *ēqv-ile*, a horse-stable (*ēqvo-*); *fēn-illa* (pl.), haylofts (*fēno-*); *hast-ile*, a spear shaft, spear (*hasta-*); *incle*, a cut, i.e. a ditch (for *incīdile*, *incīd-ēre*); *mant-illa* (pl., also *mantēlia*), napkins (*mānu-*?); *mōn-ile*, a necklace; *ōv-ile*, a sheepfold (*ōvl-*); *Pār-illa* (pl.), feast of Pales (*Pali-* cf. § 176, 7); *sēd-ile*, a seat (*sēd-ēre*, *sēdi-*); *suovetaur-illa* (pl.), a swine-sheep-and-bull sacrifice (*su-*, *ōvl-*, *tauro-*).

Compound stem-endings: *-lico*, § 771; *-lento*, § 793; *-ultu*, § 800; *-lenti* §, 807; *-lōso*, *-lētūlōso*, § 814; *-lēno*, *-līno*, §§ 837, 841; *-lāgon*, § 845; *-ullūlo*, *-ellūlo*, *-illūlo*, *-allo*, *-aullo*, *-ollo*, *-ullo*, *-ello*, *-illo*, §§ 865—869; *-lio*, *-ālio*, *-ēlio*, *-illo*, § 937—939, 949.

CHAPTER VIII.

LINGUAL NOUN STEMS (Continued).

iii. Stems ending in *-ro*.

-ro Preceded by *r*. (Stems with other letters, whether radical or suffixal, preceding *r* will be found below.)

(a) Masculine: *barrus*, an elephant; *Burrus* (cf. § 73); *carrus*, a waggon; *cirrus*, a curl; *scurra*, a buffoon.

(b) Feminine: *ācerra*, an incense box; *cerrus*, the Turkey oak; *gerræ* (pl.), trifles (comp. γέπρον, a wickerwork); *marra*, a weeding hook; *parra*, a barn owl?; *sāburra*, sand as ballast (comp. *sabulum*?); *serra*, a saw; *terra*, the earth (*torrēre*); *vācerra*, a log; *vīverra*, a ferret.

(c) Neuter: *ferrum*, iron; *porrum*, a leek (comp. πράσον).

-āro *hāra*, a pigsty; *hīlārus* (cf. § 429), cheerful; *samara*, elm seed; *spārus*, a hunting spear; *suppārum*, a linen under-garment, a topsail; and (perhaps with *ā*) *varus*, a pimple.

-ōro *ancōra*, an anchor (comp. ἄγκυρα); *foræ* (pl.), orig. openings? only in *forās*, *forīs*, out of doors (comp. θύρα, θύραζε, θύρασι); *fōrus*, generally *forī* (pl.), a row of seats, or holes; *fōrum*, a court, market-place; *lōra*, thin wine; *mōra* (also *rēmōra*, Plaut.), delay; *tōrus*, a couch, muscle of arm, &c.

-ūro *cāmūrus* (adj.), curved-in; *sātūr* (adj.), sated; *sātūra*, a medley, hence, a satire; *purpūra*, purple (for πορφύρα).

-ëro 1. Adjectives:

885

æger, sick; *asper*, rough; *crēpëro-* (§ 346), dark (comp. κνέφας); *fërus*, savage (cf. § 99); *infër* (so Cato, but usually in pl.), below (comp. *infra*); *intëger*, untouched, whole (in, tang-ëre); *mërus*, pure, unmixed; *miser*, wretched; *niger*, black; *nūpërum* (acc. m., Plaut.), recent (cf. § 540); *piger*, lazy (comp. *pig-et*); *prō-përus*, hasty; *prospërus*, favourable (pro, spes-?); *sūper* (so Cato, but usually in pl.), above (sup-er); *tëner*, tender, soft (boldable? tēn-ëre); *vāfer*, sly.

2. Substantives:

(a) Masculine: *äger*, a field (comp. ἄγρός); *cāper*, a goat (comp. κάπρος, wild boar); *ërus*, a master; *gëner*, a son-in-law (comp. γαμ-β-ρός); *nūmerus*, a number (comp. νέμ-ειν, to distribute); *puer*, a boy; *ūmerus* (*hūmerus*), a shoulder (comp. ὤμ-os).

(b) Feminine: *jūnīperus*, a juniper tree.

cāmera, a vault (from καμάρα?); *capra*, a she-goat; *cūmera*, a chest; *ëdera* (*hëdëra*), ivy; *ëra*, a mistress; *ōpera*, work, attention, a workman (*ōpl-*); *phāleræ*, horse-trappings (from φάλαρα); *puera* (rare and early), a girl; *sëra*, a bolt; *tessera*, a die, or square tablet (comp. τέσσαρες, four); *vespera*, evening (comp. ἑσπέρα); *vīpera*, a viper (for *vīvī-përa*? bringing forth alive, *pārëre*).

(c) Neuter: *flagrum*, a whip; *jūgerum* (cf. § 458), two-thirds of an acre; *scalprum*, a chisel (scalp-ëre); *sërum*, whey (comp. ὀρός and § 190); *stuprum*, debauchery.

-b-ëro } 1. Adjectives: *crēber*, close (comp. cre-sc-ëre, cēlēbri-); 896
-b-ro } *gibber*, bumped (*gibbo-*); *glāber*, smooth, hairless (comp. glūbëre, to peel, γλύφειν, γλάφειν, γλαφυρός); *liber*, free (comp. lib-et); *rūber*, red; *scāber*, rough, scurvy (comp. scāb-les).

2. Substantives:

(a) Masculine: *cōlūber* (also *colubra*, f.), a snake; *fāber*, a smith; *fīber*, a beaver; *liber*, a name of Bacchus; *liber*, the inner bark, a book (for *flī-ber*; comp. φλοιός, bark? or comp. glāber, γλάφειν). [For *Mulcīber*, *Vulcan*, see §§ 455, 901.]

(b) Feminine: *dölābra*, a mattock (*dölā-re*); *fibra*, a fibre (*and-ēre?*); *illēcōbra*, an allurement (*illēcō-re*); *lātēbra*, a biding-place (*lātēre*); *libra*, a balance; *palpebræ* (pl., Celsus has sing. once), eyelids (*palpā-re*, *palp-itā-re*); *sālēbra*, a jolting road (*sālīre*); *scātēbra* (Verg., Plin.), a gushing (*scātēre*); *tēnēbræ* (pl.), darkness; *tērēbra*, a borer (*tēr-ēre*); *vertēbra*, a joint (*vert-ēre*); *umbra*, a shadow (comp. *imber*, *ὄμβρος?*).

(c) Neuter: *candēlabrum*, a candlestick (*candēla-*); *cērēbrum*, the brain (comp. *kāpa*, head); *cribrum*, a sieve (*cre-*, *cer-nēre*, *κρίνειν*); *dēlūbrum*, a shrine (*de*, *lu-ere*, to expiate?); *flā-bra* (pl.), blasts (*flā-re*); *lābrum*, a basin (*lāvāre*); *labrum*, a lip (*lambere*); *membrum*, a limb; *pollubrum* (Fest.), a thing to sprinkle with (*por*, *lāv-*); *prōbrum*, a disgrace; *vōlābrum*, a street in Rome; *ventilābrum* (Col.), a winnowing-fork (*ventilā-re*); *vōlūtā-brum*, a wallowing-place (*vōlūtā-re*).

-c-ēro }
-c-ro } 1. Adjectives: *lāc-er*, torn (comp. *lakís*, a rent); *lūdī-* 887
cer, sportive (*lūdo-*); *māc-er*, thin (comp. *mac-ies*);
pulcer, handsome; *sāc-er*, devoted to the gods (comp. *sancire*).

2. Substantives: (a) masculine: *canc-er*, a crab (comp. *καρκί-
vos*); *sōc-er*, a father-in-law (comp. *ἐκυρός*).

(b) Feminine: *arcēra* (old), a covered carriage (*arca-*).

(c) Neuter: *ambūlā-crum*, a walk, i.e. place for walking (*am-
būlā-re*); *fulcrum*, a post at foot of couch (*fulcīre*); *invōlucrum*,
a wrapper (*involv-ēre*); *lūcrum*, gain (*lu-ēre*, to pay); *sēpulcrum*,
a tomb (*sēpēlīre*); *simūlā-crum*, a likeness (*simūlā-re*).

-t-ēro }
-t-ro } 1. Adjectives: 888
alter, other (*ālī-*); *āter*, black; *cōtēro-* (§ 346), other;
cīter (rare in positive), on this side (*cis*); *dexter*, on the right-hand
(comp. *δεξιός*); *extēro-*, outside (*ex*); neuter, neither (*ne*, *ūt-ro-*);
noster, our (*nos*); *postēro-*, after (*pos-te*); *sinister*, on the left;
tāter, foul; *voster* (*vester*), your (*vos*); *ūter*, whether (*quo-*, § 121).

Compare also *contra*, *intra*, *ultra*, *frustra*, § 509, and the ad-
verbs in *-ter*, § 541. Also *itērum*, for the second time.

2. Substantives:

(a) Masculine: *ādmīnis-ter* (also *administra*, f.), an attendant;
ādulter (also *adultēra*, f.), an adulterer; *arbīter* (also *arbitra*, f.),
a witness, judge (*ad*, § 160. 10, *bit-ere*); *auster*, a south-wind (comp.
αὔειν, *ūr-ēre*); *cītrus*, (1) the citrus, (2) the citron; *culter*, a knife
(comp. *κόλος*, docked; *κείρειν*, *curtus*); *hīster*, an actor (Etruscan);
māgis-ter (also *magistra*, f.), a master (*māgis*); *mīnis-ter* (also

mīnīstra, f.), *a servant* (*mīnūs*); *sēqvestēr*, *a stakeholder, mediator* (*sēcus*); *ūtērūs*, *the womb*.

(b) Feminine: *cāstra*, *a Spanish shield*; *cōlostra* (also *colostrum*), *the first milk*; *excōtra*, *a snake*; *fēnēstra*, *a window* (comp. *φαν-, φαίνειν*); *littēra*, *a letter* (*a painted stroke?* from *lī-n-ēre*, *to smear*); *lutra*, *an otter*; *māter-tēra*, *a mother's sister* (*a second mother*, *mater-*, comp. *itērum*, *al-ter*); *mulc-tra* (also *mulctrum*), *a milking-pail* (*mulgēre*); *pātēra*, *a broad dish* (*pātēre*); *scutra*, *a flat dish*; and others in (a).

(c) Neuter: *ārā-trum*, *a plough* (*ārā-re*); *astrum*, *a star* (for *ἄστρον*); *cālāmis-trum*, *a curling-iron* (comp. *cālāmo-*, *καλᾶμίδ-*, *a reed*); *cānistrum* (pl.), *a reed basket* (from *κάναστρον*); *cāplstrum*, *a halter* (*cāpē-re*, comp. *cāpīd-*); *castra* (pl.; also, as proper name, *castrum*), *a camp* (properly *butts?* comp. *cāsa*, *cas-tus*); *claus-trum* (usually pl.), *a fastening* (*claud-ēre*, § 160. 3); *fēre-trum*, *a bier* (*fer-re*, comp. *φέετρον*); *fulge-trum*, *a lightning-flash* (*fulgere*); *haus-trum* (Lucr.), *a water-lifter* (*haurīre*); *ligustrum*, *privet*; *lus-trum*, *a purification* (*lu-ēre*); *a beast's den* (*lūdēre?*); *monstrum*, *a prodigy* (*mōnēre*, for *mōnes-trum*, comp. *vēnustas*, &c.); *plaus-trum*, *a cart*, from its jingle or rumbling (*plaud-ēre*, *to clap*); *ras-trum*, *a rake* (*rād-ēre*); *ros-trum*, *a beak* (*rōd-ēre*); *ru-trum*, *a shovel* (*ru-ēre*); *spec-trum* (rare), *a vision* (*spēcē-re*); *talitrum* (Suet. Tib. 68), *a fillip with the finger?*; *trans-trum*, *a cross bench* (*trans*); *vērātrum*, *bellebore*; *vēretrum* (*vērēri*); *vītrum*, *glass*.

-as-t-ēro } *Antoniaster* (cf. Prisc. 3. 40), *a little Antony* (*Antōnio-*); 889
-as-t-ro } *Fulviaster* (C. Att. 12. 44); *ōleaster*, *wild olive* (*ōlea-*);
pārāsītaster (Ter. once), *a bit of a parasite* (*parasīto-*); *pīn-aster*,
a wild pine (*pīno-*); *sīlliquastrum*, *pepperwort* (*sīlliqua*, *a pod*);
surd-aster (Cic. once), *rather deaf* (*surdo-*).

-dro *cāliendrum*, *a woman's head-dress*; *quadra*, *a square* (§ 158).

-īro *pīrus* (f.), *a pear tree*; *pīrum*, *a pear*; *vīr*, *a man*; *sātīra*, see *satura*.

-āro (1) Adjectives: *āmarus*, *bitter* (comp. *ἄμρος, ראַמ*); 890
āvarus, *greedy* (*āvēre*); *cārus*, *dear*; *clārus*, *renowned*;
gnārus, *knowing* (*gno-sc-ēre*); *rārus*, *rare*; *vārus*, *crooked*.

(2) Substantives: *āra*, *an altar* (§ 183 a); *tiāra*, *a turban* (Persian word?); *vāra*, *a forked pole*.

-auro *aura*, *a breeze* (comp. *ἄειν*); *aurum*, *gold*; *laurus* (f.), 891
a laurel (cf. § 398); *scaurus*, *with swollen ankles*.

-ōro (1) Adjectives: all formed from substantives in **-ōs** or **-ōr**.
cān-or-us, *tuneful* (cānōr-); **hōn-or-us** (post-Aug.), *honourable* (hōnōr-); **ōd-ōr-us**, *possessing scent* (ōd-ōs-); **sōn-ōr-us**, *loud sounding* (sōnōr-); **sōp-or-us**, *sleep bringing* (sōpōr-).

(2) Substantives: **aur-ōra**, *the dawn* (comp. αὔρε, Aeol. and αὔριον); **flōra**, *goddess of flowers* (flōs-); **hōra**, *an hour* (ῥα, a season); **lōrum**, *a thong*; **mōrus** (f.), *a mulberry tree* (comp. μωρέα, μύρον); **ōra**, *a coast, region*; **prōra**, *the prow* (πρῶρα, the look-out, προ-ορα).

-ūro 1. Adjectives: **dūrus**, *hard*; **obscurus**, *dusky* (comp. σκοτός); **pūrus**, *pure* (comp. pū-tus).

2. Substantives: **cūra**, *care* (cāv-, cāvēre); **figūra**, *form, fashion* (figēre); **mūrus** (mōrus), *a wall, esp. of a city*; **Sūbūra**, a district in Rome between Esquiline and Viminal (the abbreviation for it was, according to Quint. I. 724, SVC., but this was probably from the pagus Sucusanus included in it); **sūra**, *the calf of the leg*.

-t-ūro } 1. Adjectives; i.e. the future participle active. 573
-s-ūro }

āmā-turus, *about to love* (amā-re); **dā-turus**, *about to give* (dā-re); **fū-turus**, *about to be* (fu-, § 719); **mōrī-turus**, *about to die* (mōrī); **ōrī-turus**, *about to arise* (ōrīrī); **ōsurus**, *about to hate* (ōd-); **pas-sūrus**, *about to suffer* (pāt-i); **pō-turus**, *about to drink* (cf. pō-tus); **rectūrus**, *about to rule* (rēg-ēre); and many others. See Book II. Chap. XXIV. XXX.

mā-turus, *ripe*.

2. Substantives: all feminine, with similar formation to that of the future participle. These words denote the *employment* or *result*, and may be compared with the names of *agents* in **-tor**.

āper-tura (Vitr., Ulp.), *an opening* (āpēfīre); **armā-tura**, *equipment* (armā-re); **cælā-tura** (Quint. &c.), *carving* (cælā-re); **cæ-sura** (Plin.), *a cutting* (cæd-ēre); **cap-tura** (Plin., Suet. &c.), *a capture, gain* (cāpē-re); **cen-sura**, *the censorship* (censōr-); **coc-tura** (Plin., Col. &c.), *cooking* (cōqv-ēre); **commis-sura**, *a joining* (committ-ēre); **compōsī-tura** (Cato, Lucr.), *a fastening* (compōn-ēre); **conjec-tura**, *a guess* (conicē-re); **consī-tura**, *a planting* (consērēre); **cul-tura**, *cultivation* (cōl-ēre); **dictā-tura**, *the dictatorship* (dictātōr-); **fē-tura**, *breeding* (comp. fē-tus, fē-cundus); **fls-sura** (Plin., Col.), *a cleft* (flnd-ēre); **flex-ura**, *a turning* (flect-ēre); **gēnī-tura** (Suet., Plin.), *birth, nativity* (gī-gn-ere); **jac-tura**, *a throwing over, loss* (jācē-re); **junc-tura**, *a joining* (jung-ēre); **littērā-tura**, *writing, acquaintance with letters* (littera-); **lī-tura**, *a blotting* (līn-ēre); **men-sura**, *a measure* (mētīrī); **mercā-tura**, *trade* (mercā-rī); **mis-tura** (Lucr.

and post-Aug.), *a mixture* (miscēre); *nā-tura*, *nature* (na-sc-i); *pōll-tura* (Plin.), *a polishing* (pōll-re); *polluo-tura* (Plaut. once), *a feast* (pollūcēre); *præfec-tura*, *the office or territory of a præfectus* (præficē-re); *præ-tura*, *the prætorship* (prætōr-); *pres-sura* (Col., Plin.), *pressure* (prēm-ere); *qvæs-tura*, *the quæstorship* (quæstor-); *rēdemp-tura*, *an undertaking, a contract* (rēdīm-ēre); *scalp-tura* (Plin., Vitr.), *a graving* (scalp-ere); *scis-sura* (Suet., Plin.), *a rent* (scind-ere); *scrip-tura*, *a writing, a tax on registered use of public pastures* (scrib-ēre); *sec-tura* (Varr., Plin.), *cutting* (sēcāre); *sēpul-tura*, *a burial* (sēpōllre); *stā-tura*, *stature* (stāre); *struc-tura*, *a building* (strugv-, stru-ēre); *tempērā-tura* (Varr. and post-Aug.), *due proportion* (temperā-re); *tex-tura*, *a web* (tex-ēre); *ton-sura*, *a shaving* (tondēre); *vec-tura*, *conveyance* (vēh-ēre); *vēnā-tura* (Plaut. once), *hunting* (vēnā-ri); *ver-sura*, *a change, esp. fresh borrowing* (vert-ēre); *unc-tura* (Cic. once), *an anointing* (ung-ēre); *vol-sura* (Varr. once), *a plucking* (vell-ēre); *ūsura*, *use, esp. of money* (ūt-i); and others.

-ōro 1. Adjectives: *austērus*, *astrigent, severe*; *plērus* (Cato), 894 *most, usually plur. with -que attached, plerī-que*; also in sing. *pleraque, plerumque* (comp. *plūs, plē-nus*); *prōcērus*, *tall*; *sērus*, *late*; *sēvērus*, *strict* (? *seves* = σέβας); *sincērus*, *uninjured*; *vērus*, *true*.

2. Substantives: *cōra*, *quax* (comp. κηρός); *gālērus*, *a skin cap* (comp. *gālea*).

-iro 1. Adjectives: *dīrus*, *terrible*; *mīrus*, *wonderful*. 895
2. Substantives: *dīræ*, *curses, thought as supernatural beings*; *ira*, *anger*; *lira*, *a furrow*; *spira*, *a coil* (comp. σπείρα).

iv. *Stems ending in -ru, -ri, -r.*

-ru *currus* (m.), *a chariot* (comp. curr-ēre); *laurus* (f.), 896 *a bay-tree*; *nūrus* (f.), *a daughter-in-law* (comp. νύος for σνυσός, Curt.); *sōcrus* (f.), *a stepmother* (comp. sōcēro-); *vēru* (m.), *a spit*.

-ri *auris* (f.), *an ear* (comp. audī-re, and § 160. 10); *būris* 897 (m.), *plough-tail* (from βο-, οὐπά?); *extorris* (adj.), *exiled* (ex, terra?); *fōris* (f.), *a door*; *hīlāris* (adj.), see *hīlārus*; *māre* (n.), *the sea*; *nāris* (f.), *a nostril* (comp. nāso-); *torris* (m.), *a brand* (comp. torrēre); *turris* (f.), *a tower*; *verres* (m.), *a boar-pig*.

- r** **far** (n., stem **farr-**), *corn*; **fūr** (m.), *a thief* (comp. φώρ); **Lar** (m.), *a household god*; **pār** (stem **pār-**), *equal, a mate* (cf. § 454); **vēr** (n.), *spring* (comp. ěap).
- ār** Substantives: all neuter: **baccar**, *a plant with an aromatic root* (from βάκκαρις); **jūbar**, *bright light*; **īnstar**, *likeness*. See also § 454.
- ōr** Substantives: neuter (on these see § 454): **æqvōr**, *a level* ⁸⁹⁸ *surface* (**æqvo-**); **ēbur**, *ivory*; **fēmur**, *a thigh*; **jēcūr**, *the liver* (comp. ἥπαρ); **marmor**, *marble*; **rōbur**, *heart of oak*. Perhaps also **mēmōr** (adj.), *mindful*, belongs here (§ 429).
- ūr** 1. Adjective: **cīcūr**, *tame*. 899
 2. Substantives: (a) masculine: **augur**, *a diviner* (probably compound for **āvī-ger**); **furfur**, *bran* (perhaps redupl. from same root as in **frīcāre**, *to rub*); **Lēmūres** (pl.), *ghosts*; **turtur**, *a turtle-dove*; **vultur**, *a vulture*.
 (b) Neuter: **fulgur**, *a flash of lightning* (**fulgere**); **guttur** (rarely m.), *the throat*; **murmur**, *a murmuring noise* (redupl.); **sulfur**, *sulphur*.
- ēri** **cēler**, *swift*; **pūtris** (§ 430), *rotten* (**pūt-ēre**); **vepres** ⁹⁰⁰ (m. pl.), *thorns*.
- ēr** 1. Adjectives: **pauper**, *poor* (**pauco-** and **pārē-re?**).
 2. Substantives (cf. § 455):
 (a) Masculine: **ācīpenser**, *a sturgeon*; **agger**, *a pile* (**ad, gēr-ēre**); **anser**, *a gander* (comp. χήν, Germ. *Gans*); **asser**, *a beam, post*; **carcer**, *a prison, barrier*; **Cēlēres** (pl.), *Knights*; **lāter**, *a brick*; **passer**, *a sparrow*; **prōcēres** (pl.), *nobles*; **vesper**, *evening* (cf. § 885. 2. b); **vōmer** (stem originally **vomīs-**), *a ploughshare*.
 (b) Feminine: **lāver**, *a water-plant*; **mūller**, *a woman*.
 (c) Neuter: **ācer**, *the maple*; **cādāver**, *a corpse*; **cīcer**, *chickpea*; **īter**, *a journey* (**ī-**, **īre**, *to go*); **pāpāver**, *a poppy*; **pīper**, *pepper* (comp. πέπερι); **sīler**, *brookwillow*; **sīser**, *skirwort* (comp. σίσαρων).
- b-ērī** }
-b-rī } (See § 430). 1. Adjectives: **cēlēber**, *numerous, thronged* ⁹⁰¹ *in honour* (comp. **crebro-**); **Decem-ber**, *tenth*; **fēne-bris**, *of interest* (**fēnōs-**); **fūnebris**, *funereal* (**fūnūs-**); **lūgu-bris**, *mournful* (**lūgēre**; the second u being due to assimilation partly to the first u, and partly to b); **mūlle-bris**, *womanly* (**mūliēr-**); **Nōvem-ber**, *ninth*; **Octo-ber**, *eighth*; **sālū-ber**, *healthy* (**sālūt-**); **Sep-tem-ber**, *seventh*. (December, &c. are only used of the month.)

2. Substantives: *fe-bris* (f.), *a fever* (for *ferv-bris*, *ferv-ere*); *imber*, *a rain-shower* (comp. ὄμβρος). *Mulciber*, name of *Vulcan*.

-b-är *süber* (n.), *cork-tree*; *tüber* (m.), *a fruit tree*; (n.) *a bump* (*tümäre*, see § 455); *tiber* (adj.), *fruitful*; (n.), *a teat* (comp. οὐθαπ); *verbära* (n. pl.), *strokes*.

-c-äri } Adjectives: *äcer*, *sharp* (comp. äcu-, äcie-); *äläcer*, *alert*; 902
-c-ri } *médio-cris*, *middling*, *ordinary* (medio-); *völticer*, *swift* (*völäre*).

-t-ru *qvinqvätus* (f. pl., also *qvinqvatria*, n. pl., Suet.), *a feast* of *Minerva* kept on 19th March, i.e. *five* days after the *Ides* (*qvinque*); so among the *Tusculans*, *Triatrus*, *Sexatrus*, *Septematus*, and among the *Faliscans*, *Decimatrus* (Fest. s. v.); *tönitrus* (m.), *thunder* (*tönito-* from *tönäre*).

-t-äri } 1. Adjectives: *ëques-ter*, *of horsemen* (*ëquët-*); *pälus-* 903
-t-ri } *ter*, *of the marshes* (*pälüd-*); *pëdes-ter*, *of foot-men* (*pëdët-*); *së-mes-tris*, *for six months* (*sex, mens-*); *së-quester* (cf. § 430, and under -tro).

2. Substantives: *linter* or *lunter* (f.), *a boat*; *venter* (m.), *the belly* (comp. γαστήρ); *üter* (m.), *a skin-bag* (comp. ütërus?). *Denter*, a cognomen of the *Livian* clan (Liv. x. 1), may belong here.

-es-t-äri } i.e. *ensi + teri*? For the suffix -*ensi* see § 815, and for 904
-es-t-ri } the weakening of *ns* to *s* § 168.

Adjectives (cf. § 430): *campester*, *of the fields* (*campo-*); *silvestris*, *of the woods* (*silva-*); *terrestris*, *of the earth* (*terra-*).

illustris, *in bright light*, *sublustris*, *in faint light*, are also probably for *illücenstris*, *sublügenstris*. *Sëgestre* (n.), *segestria* (f.), *a wrapper*, probably from στεγάστρον.

-t-är } Substantives: *accipiter*, *a hawk* (comp. ὀκύντερος); *frä-* 905
-t-r } *ter*, *a brother* (comp. φράτηρ, *a clansman*); *mäter*, *a mother* (comp. μήτηρ); *päter*, *a father* (comp. πατήρ).

-in-är i.e. -är appended to suffix -än: *it-iner* (n.), *a journey* (*1-*, *ire*); *jöö-iner* (n.), *a liver* (comp. jëcör). See §§ 454, 455.

-äri Appended to those stems only which contain *l* (other- 906
wise *äl* is appended, § 880).

1. Adjectives: *äl-äris* (more frequently *älärius*), *of the wing* of an army (*älä-*); *ancill-aris*, *of a maid-servant* (*ancilla-*); *angül-aris*, *having corners* (*angülo-*); *Apollin-aris*, *sacred to Apollo*

(Apollōn-); āquillōn-aris, *northberly* (aquillōn-); artīcūl-aris (Plin., Suet., also articularius, Cato), *of the joints* (artīcūlo-); auxili-aris (also earlier auxiliarius), *helping* (auxīlo-); balne-aris (Dig., earlier balnearius), *of the baths* (balneo-); cālig-aris (Plin., also calligarius), *of a soldier's boot* (cāliga-); cāpūl-aris, *of a coffin* (cāpūlo-); collicī-aris (Cato), *for gutters* (colliqvia-); cōlūmell-aris (Varr., Plin.), *of or like pillars* (cōlūmella-); consūl-aris, *of a consul* (consūl-); cūbīcūl-aris (Cic., also later cubicularius, but cf. § 942.2), *of a bedchamber* (cūbīcūlo-); culle-aris (Cato), *sacklike* (culleo-); ēpūl-aris, *of a banquet* (ēpūla-); fābūl-aris (Suet. once), *fabulous* (fābūla-); fāmīlī-aris, *of a family, intimate* (fāmīlia-); fāmūl-aris, *of a servant* (fāmūlo-); figūl-aris, *of a potter* (figūlo-); intercāl-aris (also intercālarius), *intercalary* (intercālā-re); jōcūl-aris, *laughable* (jōcūlo-); līne-aris, *of lines* (līnea-); lūn-aris, *of the moon* (lūna-); mānīpūl-aris, *of a company* (mānīpūlo-); maxill-aris (Cels., Plin.), *of the jaws* (maxilla-); mīlīt-aris (also militarius Plaut. once), *of soldiers* (mīlēt-); mōl-aris, *of a mill* (mōla-); oll-āris (Mart., also ollārius Plin.), *potted* (olla-); palm-aris (also palmarius), *of a palm's breadth, deserving the palm* (palma-); pēcūlī-aris, *of one's own* (pēcūlo-); piācūl-aris, *expiatory* (piācūlo-); pīl-aris (Stat.), *of balls* (pīla-); plant-aris (Stat.), *of the foot* (planta-); pollic-aris (Plin.), *of a thumb* (pollēc-); pōpūl-aris, *of the people* (pōpūlo-); proeli-aris, *of a battle* (proelio-); puell-aris, *of a girl* (puella-); pūpill-aris, *of a ward* (pūpillo-); sālūt-aris, *healthful* (sālūt-); saecūl-aris, *of an age* (saecūlo-); singūl-aris, *sole, unique* (singūlo-); sōl-aris (Ov., Sen., &c.), *of the sun* (sōl-); spēcūl-aris, *of a mirror* (spēcūlo-); tāl-aris, *of the ankles* (tālo-); triclinī-aris, *of a dining-room* (triclinio-); vall-aris, *of a rampart* (vallo-); vāpūl-aris (coined by Plaut. in imitation of militaris), *of the floggees* (vāpūlā-re); vēlīt-aris, *of the light-armed* (vēlēt-); vulg-aris, *of the mass, common* (vulgo-).

2. Substantives:

(a) Masculine: mōl-aris, *millstone, grinder* (mōla-); pugill-ares (pl.), *writing hand tablets* (pūgillo-).

(b) Neuter: alt-āria (pl.), *a high altar* (alto-?); alve-are (or alvearium), *a beehive* (alveo-, hollow); calc-ar, *a spur* (calci-); cāpill-are (Mart.), *pomatum* (cāpillo-); cōchle-are, *a spoon* (cochlea-, snail shell); coll-are (Plaut., Varr.), *a collar* (collo-); exempl-ar, *a pattern* (exemplo-); lācun-ar, *a panelled ceiling* (lācūna-); lāqve-ar, *a ceiling* (dome-like? as if drawn in; lāqveo-, a noose); lūc-ar, *a tax on woods* (lūco-); lūpān-ar, *a brothel* (lūpa-, with suffix -āno); pāle-ar, *a dewlap* (pālea-, cock's wattles); plant-aria (pl.) *slips of trees* (planta-); pulvīn-ar, *a cushioned seat* (pulvīno-); sigillaria (pl.), *feast of images, image market* (sigillo-); spēcūl-aria (pl.), *window-panes* (spēcūlo-); tāl-aria (pl.), *shoes fastened to ankles* (tālo-); torcūl-ar, *an oil-press* (torqvēre).

-ōr 1. Adjective: **primōr-** (no nom. s.), *in the first rank* (**primo-**).

2. Substantives:

907

(a) Denoting *quality*; masculine **āc-or**, *sourness* (**ācēre**); **ægr-or** (Lucr.), *sickness* (**ægro-**); **alg-or**, *cold* (**algēre**); **ām-or**, *love* (**āmā-re**); **ang-or**, *choking, anguish* (**ang-ēre**); **ard-or**, *glow* (**ardēre**); **cāl-or**, *heat* (**cālēre**); **cald-or** (Varr.), *warmth* (**caldo-**); **cand-or**, *a brilliant white* (**candēre**); **cān-or**, *tunefulness* (**cān-ēre**); **clām-or**, *a shout* (**clāmā-re**); **clang-or**, *a clang* (**clang-ēre**); **crēm-or**, *broth*; **eru-or**, *gore*; **dēc-or**, *grace* (**dēcēre**); **dōl-or**, *pain* (**dōlēre**); **err-or**, *a straying, error* (**errā-re**); **fāv-or**, *favour* (**fāvēre**); **ferv-or**, *boiling heat* (**ferv-ere**); **fōst-or**, *a stench* (**fōstēre**); **frāg-or**, *a crash* (**frang-ēre**); **frēm-or**, *a roaring* (**frēm-ēre**); **fulg-or**, *a glare* (**fulg-ere**); **fūr-or**, *rage* (**fūr-ēre**); **horr-or**, *a shudder* (**horrēre**); **langv-or**, *faintness* (**langvēre**); **lent-or** (Plin.), *pliancy* (**lento-**); **lēv-or** (Lucr., Plin.), *smoothness* (**lēvi-**); **līqv-or**, *a fluid* (**līqvi**); **līv-or**, *leaden colour, envy* (**līvēre**); **lūror** (Lucr.), *sallowiness* (comp. **lūridus**); **mær-or**, *grief* (**mærēre**); **marc-or** (Cels., Sen. &c.), *a drooping* (**marcēre**); **mūc-or** (post-Aug.), *mould* (**mūcēre**); **nīd-or**, *a smell*; **nīgr-or**, *blackness* (**nigro-**); **pæd-or**, *filth*; **pall-or**, *paleeness* (**pallēre**); **pāv-or**, *dread*; **plang-or**, *a beating the breast* (**plang-ēre**); **pūd-or**, *shame* (**pūdēre**); **pūt-or**, *rotteness* (**pūtēre**); **rīg-or**, *stiffness* (**rīgēre**); **rūbor**, *redness* (**rūbēre**); **rūm-or**, *common talk*; **sāp-or**, *flavour* (**sāpē-re**); **sōn-or**, *a din* (**sōnāre**); **sōp-or**, *drowsiness* (comp. **sōpi-re**); **splend-or**, *brightness* (**splendēre**); **squāl-or**, *dirtyness* (**squālēre**); **strīd-or**, *a whistling or shrieking* (**strīdere**); **string-or** (Lucr.), *a shock* (**string-ēre**); **stūp-or**, *amazement* (**stūpēre**); **sūd-or**, *sweat* (**sūdā-re**); **tēn-or**, *course* (**tēnēre**); **tēp-or**, *warmth* (**tēpēre**); **terr-or**, *fright* (**terrēre**); **tīm-or**, *fear* (**tīmēre**); **torp-or**, *numbness* (**torpēre**); **trēm-or**, *a quaking* (**trēm-ēre**); **tūm-or**, *a swelling* (**tūmēre**); **vāg-or** (Lucr.), *a squalling* (**vāgī-re**); **vāp-or**, *steam* (comp. **vāpidus**, and § 121); **vīg-or**, *vigour* (**vīgēre**); **ūmor**, *moisture* (**ūmēre**).

(b) **ādor** (n.), *corn*; **ōlor** (m.), *a swan*; **sōror** (f.), *a sister*; **uxor** (f.), *a wife* (comp. **jūg-**, **jūgēre**).

-t-ōr } i.e. **-ōr** appended to the supine stem. All masculine.

908

(a) From supine stems of vowel verbs with long vowel preceding suffix: the verbs themselves are omitted as self-evident. A few are formed from substantives:

accūs-at-or, *an accuser*; **ædific-at-or**, *a builder, one fond of building*; **æstīm-at-or**, *an appraiser*; **āgit-at-or**, *a driver*; **āle-at-or**, *a dicer* (**ālea-**); **ām-at-or**, *a lover*; **ār-at-or**, *a husbandman*; **assect-**

at-or, one of a man's suite; aud-it-or, a bearer, pupil; balne-āt-or, a bathman (balnea-); bell-at-or, a warrior; cadūce-at-or, an officer with a flag of truce (cadūceo-); cāl-at-or, a crier, servant; cālumni-at-or, a legal trickster; capt-at-or, esp. a legacy hunter; cess-at-or, a loiterer; circūl-at-or, a buckster, mountebank; cōmiss-at-or, a reveller; compēt-it-or, a rival (compēt-ēre, cf. § 657); conqvīs-it-or, a recruiting officer (conqvēr-ēre, cf. § 657); conviv-āt-or, a host; cre-āt-or, a creator; cunct-āt-or, a loiterer; cūp-it-or (Tac.), a desirer (cūpē-re, cf. § 656); cūr-at-or, a keeper; declām-at-or, a rhetorician; dē-lat-or, an informer (tlā-, tollēre, cf. § 687); dict-at-or, a supreme commander; discept-at-or, a judge; dispens-at-or, a steward; dissign-at-or, a master of ceremonies, an undertaker; dōn-at-or (Dig.), a donor; ēdūc-at-or, a foster-father, bringer up; existīm-at-or, a connoisseur; explōr-at-or, a spy; fāmīgēr-at-or, a talebearer (fāma-, gēr-ēre); fēnēr-at-or, a usurer; fin-it-or, a surveyor; glādi-at-or, a swordsman (glādio-); grass-at-or, a footpad; gūbern-at-or, a pilot; hort-at-or, an inciter; imīt-at-or, an imitator; impēr-at-or, a commander-in-chief; larg-it-or, a giver, esp. of bribes; lā-tor, proposer of a law (cf. § 687); laud-at-or, a panegyrist; libēr-at-or, a deliverer; lign-at-or, a woodcutter; lōc-at-or, a lessor; mand-at-or, a giver of a charge; merc-at-or, a trader; mēt-at-or, a fixer of boundaries; mōdēr-at-or, a manager; mōli-tor, a contriver; mūn-it-or, an engineer; narr-at-or, a narrator; nāt-at-or, a swimmer; nēgōti-at-or, a dealer; nōmenci-at-or, one who addresses by name (nōmēn-, cālāre); obtrect-at-or, a disparager; ōr-at-or, a speaker, a spokesman; pābūl-at-or, a forager; pēt-it-or, a candidate, a plaintiff (pēt-ēre, cf. § 657); pisc-at-or, a fisherman; prād-at-or, a pillager; prādi-at-or, a purchaser of mortgaged estates (prādiūm); prāvāric-at-or, a collusive pleader; pugn-at-or, a fighter; quadrūpl-at-or, a trickster; quēs-it-or, an inquisitor (quēr-ēre, cf. § 657); recūpēr-at-ores (pl.), judges in questions of property between citizens and foreigners; rōg-at-or, a proposer of a law, a polling-clerk; sālin-āt-or (usually as surname), a saltworker (sālīna-); salt-at-or, a dancer; salut-at-or, a visitor; sēn-at-or, a senator (comp. sēnex); serv-at-or, a preserver; simūl-at-or, a pretender; spect-at-or, a spectator; stīpūl-at-or, a bargainer; test-at-or (Suet., Dig.), the maker of a will; vēr-at-or, a hunter; vētēr-at-or, an old practitioner (vetera-sc-ere); vi-at-or, a wayfarer (via-); ūrīn-at-or, a diver; and many others.

(b) With short vowel preceding suffix: mostly from supine stems:

admōnī-tor, an adviser (admōnere); appārī-tor, an official servant (appārēre); cognī-tor, an attorney (cogno-sc-ēre); compōsī-tor, an arranger (compōn-ēre, cf. § 631); concī-tor, exciter (concīre); condī-tor, a founder (condē-re); crēdī-tor, a lender (credē-re); dā-tor (Plaut.), a giver (dā-re); dēbī-tor, a debtor (dēbēre); dirībī-tor,

a distributor of voting tickets (dīribāre); dōmī-tor, a tamer (dōmāre); exercī-tor, a trainer, a master, e.g. of a ship or shop (exercēre); fundī-tor, a slinger (funda-); gēnī-tor, a begetter (gign-ēre, cf. § 698); hōllītor (for hōlērītor), a kitchen-gardener (hōlūs-); jānī-tor, a doorkeeper (jānuā-); insī-tor (Prop.), an ingrafter; instī-tor, a factor (instāre?); mōnī-tor, an adviser (mōnēre); perđī-tor, a destroyer (perđē-re); portī-tor, a toll-taker (portu-, harbour; porta, a gate); prōđī-tor, a betrayer (prodē-re); sā-tor, a sower (sē-rēre); stā-tor, a stayer, epithet of Juppiter; a magistrate's attendant (stātēre); vendī-tor, a seller (vendē-re); vindēmītor (also vindemiator), a vintager (vindēmīa-); vīnītor, a vine-dresser (vīno-).

(c) From consonant stems, or contracted:

ac-tor, an actor, a plaintiff (āg-ēre); adjū-tor, a helper (adjūvā-re); al-tor, a nourisher (āl-ēre); assen-sor, one who agrees (assen-tīre); asser-tor, a claimant, advocate (assēr-ēre); asses-sor, a judicial assistant (assīdēre); auc-tor, a founder, recommender, seller (augēre); can-tor, a singer (cān-ēre); cen-sor, a valuer, a critic (censēre); circumscrip-tor, a cheater (circumscrib-ēre); conjec-tor, an interpreter, esp. of dreams, &c. (conīcē-re); consul-tor, a counsellor, a consulter (constīl-ēre); correc-tor, a corrector (corrīg-ēre); corrup-tor, a seducer; cul-tor, a cultivator, inhabitant (cōl-ēre); cur-sor, a runner (currēre); defec-tor (post-Aug.), a revolter (defl-cē-re); defen-sor, a defender (defend-ēre); dērlī-sor, a mocker (dērlī-dēre); deser-tor, a deserter (dēsēr-ēre); dīvlī-sor, a distributor (dīvlīd-ēre); doc-tor, a teacher (dōcēre); duc-tor, a leader (dūc-ēre); emp-tor, a purchaser (ēm-ēre); exstīnc-tor, an extinguisher (exstīngv-ēre); fau-tor, a patron (fāvēre); fic-tor, a maker, e.g. of images (fīng-ēre); fos-sor, a digger (fōdē-re); impul-sor, an inciter (impell-ēre); interces-sor, a mediator, interposer (intercād-ēre); inven-tor, a discoverer (invēnīre); lec-tor, a reader (lēg-ēre); lic-tor, a magistrate's attendant (origin uncertain); lū-sor, a player (lūd-ēre); men-sor, a measurer (mētīri); mes-sor, a reaper (mēt-ēre); pas-tor, a shepherd (pasc-ēre); perfec-tor, an accomplisher (perfīcē-re); pic-tor, a painter (pīng-ēre); pis-tor, a miller, baker (pīs-ēre); pollīnc-tor, an undertaker (pollīng-ēre, to prepare a corpse for burial); posses-sor, a possessor (possīdēre); pō-tor, a drinker (comp. pō-tus); prācep-tor, a teacher (prācīpē-re); prae-tor, a chief magistrate (prāēre); profes-sor, a public teacher (prōfītārī); quæs-tor, a judge of inquiry, a treasurer (quær-ēre); rap-tor, a robber (rāpē-re); rēcep-tor, a receiver, esp. of stolen property (rēcīpē-re); rec-tor, a ruler (rēg-ēre); rēdemp-tor, a contractor (rēdīm-ēre); rēper-tor, a discoverer (rēpērīre); rup-tor, a breaker (rump-ēre); scrip-tor, a writer (scrib-ēre); sculp-tor, an engraver (sculp-ēre); sec-tor, a cutter, a purchaser of confiscated goods (sēcāre); spon-sor, a surety (spondēre); svā-sor, a recommender (svādēre); sū-tor, a shoemaker (su-ēre); tex-tor, a weaver (tex-ēre); ton-sor, a barber (tondēre);

tor-tor, *a torturer* (torqvĕre); tū-tor, *a guardian* (tuĕri); vec-tor, (1) *a carrier*, (2) *a passenger* (vēh-ĕre); vīo-tor, *a conqueror* (vīnc-ĕre); ul-tor, *an avenger* (ulc-isc-1).

-ūri sēcūris (f.), *an axe* (properly for cutting? sēcāre). 909
gnarūris (adj.), *knowing*, is found in Pl. Most. 100
(gna-ro-).

Compound stem-endings: -reo, -trici, §§ 771, 782; -urno, -erno, -terno, §§ 828, 829; -trino, § 842; -rio, -brio, -ārio, -tōrio (-sōrio), §§ 940—943.

iii. Stems ending in -s.

-ōs (-ōr) Substantives: (a) arbōs (f. also arbōr), *a tree*; lĕpūs (m.), 910
a hare.

(b) Neuter: corpus, *a body*; dĕcus, *a distinction*; dĕdĕcus, *a disgrace*; frigus, *cold* (comp. pīyos); litus, *a shore*; nĕmus, *a grove*; pectus, *a breast*; pĕcus, *cattle*; stercus, *dung*; tempus, *time*.

-nōs (-nōr) Neuter: fāci-nus, *a deed* (fācĕ-re); fĕnus (fānus), *inter-* 911
rest of money (breeding, comp. fĕ-tus, fĕ-mina); pĕnus, *a store* (cf. § 398); pig-nus, *a pledge* (pang-ere).

-ūs (-ēr) (1) Adjective: vĕtus (vĕtĕr, Enn.), *old*. 912

(2) Substantives: neuter: ācus, *chaff*; fœdus, *a treaty*; glōmus, *a ball of thread* (comp. glōbus); hōlus (ōlus), *vegetable*; lātus, *a side*; ōpus, *a work*; pondus, *a weight*; raudus, *a piece of metal*; rūdus, *rubble*; sĕcus (only n. acc. sing.), *a race or generation*; scĕlus, *a crime*; sīdus, *a constellation*; vellus, *a fleece*; viscus, *the internal organs of the body*; ulcus, *a sore* (comp. ἔλκος).

-nūs (-nĕr) Neuter substantives: fūnus, *a funeral*; gĕnus, *a race or* 913
kind (comp. gi-gn-ĕre); mūnus, *a gift*; ōnus, *a burden*; vulnus, *a wound*.

Also Vĕnus (f.), the goddess of *beauty* (comp. vĕnus-tus).

-ēs (-ēr) Cĕrēs (f.), goddess of corn, &c. (comp. κραινείν, cĕrus, 914
§ 843); pūbes (adj.), *grown up* (pūbl-).

-is (-ēr) Substantives: cīnis (m.), *ashes*; cūcūmis (cf. § 412), *a* 915
cucumber; pulvis (m. rarely f.), *dust*. For vomis, see § 900.

-ōs (-ōr) 1. Adjectives: *mīn-or* (adj.), *less* (comp. *mīn-lmus*). 916

2. Substantives: (a) masculine.

clāmōs (cf. Quint. I. 4. 13, also *clamōr*), *a shout* (*clamā-re*); *cōlōs* (also *colōr*), *a colour*; *flōs*, *a flower*; *hōnōs* (also *hōnōr*), *an honour, an official post*; *lābōs* (usually *lābōr*), *toil*; *lēpōs*, *pleasantness, humour*; *mōs*, *a custom, a whim*; *ōdōs* (also *ōdōr*), *a scent* (comp. *ōl-ēre*, *ὄζω*, *ὀδωδα*); *pāvōs* (Næv., usually *pāvōr*), *dread* (*pāvēre*); *rōs*, *dew*; *rūmōr* (comp. *rumus-culus*), *a rumour*.

Compare also the substantives in § 907.

(b) Neuter: *ōs*, *a mouth*.

-lōs (-lōr) Adjectives in comparative degree. These are formed from 917 most noun adjectives and many participles. A list of the principal irregularities will be found in the Appendix.

The original *s* of the suffix is seen only in the neuter singular nom. acc., and in the superlative forms which are derived from it (§ 755).

ācr-lor, *sharper* (*ācri-*); *æqv-lor*, *fairer* (*æqvo-*); *alt-lor*, *higher* (*alto-*); *āmant-lor*, *more loving* (*amanti-*); *antīqv-lor*, *more ancient* (*antīqvo-*); *aspēr-lor*, *rougher* (*aspēro-*); *andāc-lor*, *bolder* (*audāci-*); *bēnēficent-lor*, *more benevolent* (with participial suffix, from *bene-fico-*); *cītēr-lor*, *on this side* (*citra*); *concord-lor*, *more harmonious* (*concordi-*); *crēbr-lor*, *more crowded* (*crebro-*); *dextēr-lor*, *on the right side* (*dextro-*); *dētēr-lor*, *worse*; *dīt-lor*, *richer* (*diti-*); *dūr-lor*, *barder* (*dūro-*); *ēgent-lor*, *more needy* (*ēgenti-*); *extēr-lor*, *outside* (*extēro-*); *fēllc-lor*, *happier* (*fēllci-*); *fertīl-lor*, *more fertile* (*fertili-*); *frūgāl-lor* (for positive *frugi* indecl. is used); *imbēcill-lor*, *weaker* (*imbecillo-*); *industr-lor*, *more active* (*industrio-*); *infēr-lor*, *lower* (*infēro-*); *ingent-lor*, *buger* (*ingenti-*); *intēr-lor*, *inner* (*intra*); *jūn-lor*, *younger* (*jūvēr-*); *magnīfic-ent-lor*, *more highminded* (*magnifico-* with participial suffix); *mājor*, *greater* (for *māg-lor*, comp. *mag-nus*); *mēl-lor*, *better*; *mīsēr-lor*, *more wretched* (*mīsēro-*); *nēqv-lor*, *naughtier* (*nēquam*); *ōo-lor*, *swifter* (comp. *ὠκός*); *pějor*, *worse* (for *pēd-lor*, comp. *pessimus*); *pingv-lor*, *fatter* (*pingvi-*); *plūs* (n.), *more* (for *plōlōs*, cf. § 754); *pōpūlar-lor*, *more popular* (*pōpūlāri-*); *postēr-lor*, *later* (*postēro-*); *prior*, *former* (*pro?* cf. § 754); *prōp-lor*, *nearer* (*prōpe*); *sālūtār-lor*, *more healthful* (*sālūtāri-*); *sālūbr-lor*, *more healthy* (*sālubri-*); *sātūr-lor* (Col.), *fatter* (*sātūro-*); *sēn-lor*, *older* (*sēn-*, nom., *sēnex-*); *sinistēr-lor*, *on the left hand* (*sinistēro-*); *sūpēr-lor*, *upper* (*sūpēro-*); *tēnv-lor*, *thinner* (*tēnvi-*); *vētust-lor*, *older* (*vētusto-*); *ultēr-lor*, *further* (*ultra*); and very many others.

-ūs (-ūr) Substantives: (a) feminine; *tellūs, the earth.*

913

(b) Neuter: *crūs, a leg*; *jūs, right* (comp. *jūb-ēre* and § 76. 2); *broth* (comp. *ζωμός*); *pūs, diseased matter*; *rūs, the country*; *tūs, frankincense* (from *θύος*?).

Compound stem-endings: -issūmo, § 758; -usto, -esto, § 789; -sti, -estāt, §§ 808, 811; -uscūlo, § 864.

CHAPTER IX.

VOWEL NOUN-STEMS.

i. Stems ending in -eo,

-eo 1. Adjectives:

919

ādōr-eus, of spelt (*ādōr-*); *æquōr-eus, watery* (*æquōr-*); *ær-eus, of bronze* (*æs-*); *arbōr-eus, of a tree* (*arbōs-*); *arbūt-eus of the arbutus* (*arbūto-*); *argent-eus, of silver* (*argento-*); *ārundīn-eus, of reeds* (*ārundōn-*); *aur-eus, golden* (*auro-*); *cār-eus, waxen* (*cāra-*); *consangvīn-eus, of the same blood* (com. *sangvēn-*); *corneus, of the cornel tree* (*cornō-*); *horny* (*cornu-*); *corpōr-eus, of or having a body* (*corpōs-*); *fēmīn-eus, of a woman* (*fē-mīna-*); *ferr-eus, of iron* (*ferro-*); *flamm-eus, flamy* (*flamma-*); *flōr-eus, flowery* (*flōs-*); *flūmīn-eus, of a river* (*flū-mēn-*); *fulmīn-eus of thunder* (*ful-mēn-*); *fūm-eus, smoky* (*fūmo-*); *grāmīn-eus, grassy* (*grā-mēn-*); *ign-eus, fiery* (*igni-*); *lact-eus, milky* (*lacti-*); *lān-eus, woolly* (*lāna-*); *lāpīd-eus, pebbly* (*lāpīd-*); *lūt-eus, muddy* (*lūto-*); *lūteus golden yellow* (*lūto-*); *nīv-eus, snowy* (*nīvi-*); *oss-eus, bony* (*ossi-*); *pīc-eus, pitchy* (*pīc-*); *plumb-eus, leaden* (*plumbo-*); *pulvēr-eus, dusty* (*pulvis-*); *rōs-eus, rosy* (*rōsa-*); *sangvīn-eus, bloody* (*sangvēn-*); *sāx-eus, stony* (*saxo-*); *sīdēr-eus, starry* (*sīdūs-*); *spīc-eus, of ears of corn* (*spīca-*); *trītīc-eus, wheaten* (*trītīco-*); *vīpēr-eus of a viper* (*vīpēra-*); *virgīn-eus, girlish* (*virgōn-*); and others.

2. Substantives:

(a) Masculine: *alv-eus, a trough, hollow* (*alvo-*); *balt-eus (or -eum), a belt*; *calc-eus, a shoe* (*calci-heel*); *cās-eus, a cheese*; *clūp-*

eus, a shield; **cull-eus**, a bag (from Gr. *κολεός*: comp. *cūlus*); **cūn-eus**, a wedge, **lāqv-eus**, a noose; **mall-eus**, a hammer; **mull-eus**, a red shoe (*mullo*- red mullet?); **pilleus** (also **pilleum**), a felt cap (comp. *πίλος*, felt); **plūt-eus**, a board, shed, &c.; **pūt-eus**, a well; **urc-eus**, a pitcher.

(b) Feminine: **ādōr-ea**, *renoar* (lit. *corn-reward*; *ādōr*-); **ālea**, a die; **ardea**, a heron (comp. *ἐρωδιός*); **ārea**, an open space; **baxæ** (pl.), shoes; **bractea**, a plate of metal; **buccæ** (Aug. ap. Suet.), a mouthful (*bucca*-); **cāpr-ea**, a roedeer (*capro*-); **fōvea**, a pitfall; **frāmea**, a spear (Tac. G. 6); **gālea**, a helmet (comp. *κυνέη*); **gānea**, a restaurant; **glārea**, gravel; **grān-ea**, a corn-mash (*grāno*-); **lancea**, a light spear; **laur-ea**, a laurel tree or bay (*lauro*-); **līn-ea**, a flaxen thread (*līno*-); **ōcrea**, a greave; **ōlea**, an olive (comp. *ἐλαία*); **pālea**, straw (comp. *Pāles*); **plātēa**, a street (from *πλατεία*, broadway); **sōl-ea**, a sandal (*sōlo*-, ground); **talea**, a rod; **tīnea** (*tinia*, comp. *τάνια*, *τανία*), a bookworm; **trābea**, a state robe; **vīnea**, a vineyard, a shed.

(c) Neuter: **flammeum**, a bridal veil (*flamma*-); **hordeum**, barley.

-āc-eo 1. Adjectives: **cret-āceus**, of chalk (*crēta*-); **ēdēr-āceus**, 920 of ivy (*ēdēra*-); **farr-āceus**, of spelt (*farr*-); **gallīn-āceus** (*gāllinacius*), of hens (*gallīna*-); **herb-āceus**, grass coloured (*herba*-); **horde-āceus**, of barley (*hordeo*-); **rōs-āceus**, of roses (*rōsa*-); **test-āceus**, of pottery (*testa*-); **viōl-āceus** of violes (*viōla*-).

2. Substantives: **erīn-āceus**, a hedgehog (comp. *ἔρ*, *χῆρ* Hesych.); **must-āceus** or *must cake* (*musto*-); **vīn-āceus**, a raisin stone (*yīno*-).

-āceo **cādūceus**, herald's staff (comp. *κηρύκειον*); **pann-āceus** 921 (*pannucius*), tattered, wrinkled (*panno*-).

-teo **līn-teus**, of linen (*līno*-).

-neo 1. Adjectives: **āhē-neus** (*æneus*), of bronze (for *ahes-* 922 *neus*, from *æs*-); **angvī-neus** (rare), snaky (*angvi*-); **ēbur-neus**, of ivory (*ēbōr*-); **pōpul-neus**, of poplar (*pō-pūlo*-); **quer-neus**, oaken (*quercu*- § 110).

2. Substantives: **ārān-eus** (in Plin. also as adj.), a spider (comp. *ἀράχνης*); **balineum** or **balneum** (cf. also § 330), a bath (from *βαλανεῖον*).

-gneo i. e. **gīn-eo**, from root of *gignēre*; unless the *g* be softened for *c* in the first two words, and in the last be due to a false analogy.

īlī-gneus, of *ilex* (for *īlīc-gneus*, from *īlēc*-); **sālīgneus** (Col.), of *willow* (*sāllīc*-); **vītī-gineus** *vine-produced* (*vītī*-).

-ān-eo Adjectives:

(a) **consent-aneus**, *suited* (*consentire*); **dissentaneus**, ⁹²³ *unsuited* (*dissentire*), **extraneus**, *external* (*extra*); **fōc-aneus** (*rustic ap. Col.*), *of the throat*; applied to a *choking* sprout (*fauci-*); **miscell-aneus** (*Juv.*), *miscellaneous* (*miscello-*); **pēd-aneus**, *an inferior judge* (*pēd-*); **præcid-aneus** (*Cato*), *slaughtered before* (*præ-caed-ēre*); **prælig-aneus** (*Cato*), *picked before* (*prælig-ēre*); **præsent-aneus** (*Plin.*), *operating quickly* (*præsentī-*); **succēd-aneus** or **succīdaneus** *coming in place of another* (*succēd-ēre* or *succīdēre*); **sicc-aneus** (*Col.*), *dry* (*sicco-*).

(b) Compounds formed immediately from the simple parts: **bīpēd-aneus** (*Col.*), *two feet in measure* (*bis pēd-*); **circumfōraneus**, *round the forum* (*circum fōro-*); **collact-aneus**, *foster* (*com lactī-*); **mēditerr-aneus**, *inland* (*mēdio-, terra-*); **subterraneus**, *underground* (*sub terra-*); **sūpervāc-aneus**, *superfluous* (*sūper vācā-re*).

t-ān-eo i. e. āneo appended to stem of past participle:

collec-taneus (*Plin., Suet.*), *gathered together* (*collig-ēre*); ⁹²⁴ **condī-taneus** (*Varr.*), *for preserving* (*condēre* or *condīre*); **ōpertaneus** (*Plin.*), *concealed* (*ōpērīre*); **rejec-taneus** (*coined by Cic. Fin. 4. 26*), *belonging to the class of rejected* (*relo-ēre*).

-ōneo **Idōnēus**, *fit* (*ideo*, Donaldson); **erroneus**, *straying* (*errōn-*).**-leo** 1. Adjectives: **cærlēus** (**cærlus**), *dark blue* (**cælo-**, ⁹²⁵ cf. § 176, comp. also **cæslō-**).

2. Substantives: (a diminutival suffix).

acu-leus, *sting, prickle* (**ācu-**); **ēqvū-leus**, *a colt* (**ēqvo-**); **hīanu-leus** *a fawn* (**hīno-**); **mānū-leus**, *a long sleeve* (**mānu-**); **nūc-leus** (**nūcūleus**, *Plaut.*), *a kernel* (**nūc-**); **trochlea**, *a block of pulleys* (from *τροχός*, comp. *τροχαλία*). See also § 919. 2.

ii. Stems ending in -io.

(For stems in -ī see Book II. Chap. x.)

-io 1. Adjectives: chiefly from nouns:

(a) **abstēm-ius**, *abstemious* (**abs, tēm-**; comp. **tēm-ūlen-tus, tēm-ētum**); **āerius**, *in the air* (**aer-**); **æthēr-ius**, *in the æther* (**æthēr-**); **āl-ius**, *other*; **anx-ius**, *uneasy* (**ang-ēre?**); **augūr-ius**, *of an augur* (**augūr-**); **cæs-ius**, *gray*; **dūb-ius**, *doubtful* (**duo-**; the **b** is perhaps parasitical, cf. § 76, or **du-bī-us** is for **du-vī-us**, *two-ways*)

ēgrēg-ius, select (e, grēg-); *exīm-ius*, excepted, extraordinary (*exīm-ere*); *fīd-ius*, of good faith, epithet of Jupiter (*fīde-*); *industr-ius*, active (*indo, stru-ere*); *injūr-ius*, wrong (*in, jūr-*); *Mart-ius*, of War (*Marti-*); *mēd-ius*, middle (so *dimidiūs*, halved); *nīm-ius*, excessive (*nīmis*); *nox-ius*, hurtful (*noxa-*); *pātr-ius*, of a father (*patr-*); *pius*, dutiful; *plūv-ius*, rainy (*plu-ēre*); *rēg-ius*, kingly (*rēg-*); *saucius*, wounded; *sōc-ius* (mostly subst.), fellow (comp. *sēqvi*); *sōrōr-ius*, sisterly (*sōrōr-*); *sublic-ius*, of piles (*sublica-*); *Vēnēr-ius*, of Venus (*Vēnūs-*); *uxōr-ius*, of a wife (*uxōr-*).

(b) Names of Roman clans: see § iii. infr. p. 363.

2. Substantives: masculine:

927

(a) *Prænomina*: see § iii. infr. p. 363.

(b) *dupond-ius* (sc. *as*), a two-pound coin (*duo, pondo*); *filius*, a son; *flūv-ius*, a river (*flu-ēre*); *gēn-ius*, native temper (*gign-ēre*); *glād-ius*, a sword; *lūd-ius*, a player (*lūdo-*); *mōd-ius*, a bushel (*mōdo-*); *nutric-ius* (also adj.), a tutor (*nutr-ici-*); *rād-ius*, a spoke; *sāllī*, Jumpers, certain priests (*sāll-re*); *sīmius* (*sīmia*), an ape (*sīmo-*).

3. Substantives: feminine:

928

(a) From verbs or verbal nouns:

axungia (Plin.), wheel-grease (*axi-, ung-ēre*); *corrīgia*, a shoe-tie (*corrīg-ēre*); *colliqviæ*, gutters (*com, liqvi, comp. liqvōr-*); *dēlic-iæ* (pl.), delight (*dēlicē-re, allure*); *desīd-ia*, sloth (*desīdēre*); *excūb-iæ* (pl.), patrol (*excūbā-re*); *exēqv-iæ* (pl.), funeral (*exseqvi*); *exūv-iæ* (pl.), spoils (*exu-ēre*); *fænisicia* (also neut.), haycutting (*fæno-, sēcāre*); *fūr-iæ* (pl.), rage (*fūr-ēre*); *host-ia*, a victim (*hostīre, to strike*); *incūr-ia*, carelessness (*in, cura-*); *industr-ia*, activity (*indo, stru-ere*); *indūv-iæ* (pl.), rare, robings (*indu-ēre*); *inēd-ia*, not eating (*in, ēd-ēre*); *infīt-iæ* (pl.), non-confession (*in, fātēri*); *insīd-iæ* (pl.), plot (*insīdēre*); *invid-ia*, grudge (*invidēre*); *nox-ia*, a wrong (*noxa-*); *provinc-ia*, a department (*provinc-ēre?*); *redūv-ia*, misgrowth of nail (for *red-ungv-ia*, Corss., but comp. *exuvīæ*, *induvīæ*); *reliqv-iæ* (pl.), remains (*reliqvo-*); *succidia*, a flitch (sub, *csēd-ēre?*); *suppēt-iæ* (pl.), help (sub, *pētēre*); *via* (*veha*, Varr. *R. R. I. 2, § 14*), a road (*vēh-ēre*); *vindēm-ia*, grape-plucking (*vino-, dēm-ēre?*); *vindic-iæ* (pl.), claim (*vindicā-re*).

With stems in *-ie* (*-iēs* for *ia-is?*):

allūv-ies, overflow; *collūvies*, *prolūvies*, &c. (*lāv-āre*); *congēr-ies*, a heap (*congēr-ēre*); *effīg-ies*, form (*effīg-āre*); *ēsūr-ies*, hunger (*ēsūrī-re*); *fāc-ies*, a face (*fācē-re*); *māc-ies*, leanness (*mācēre*); *pernic-ies* (cf. § 340), destruction (*pernēcā-re*); *prōgēn-ies*, offspring (*progign-ēre*); *rāb-ies*, raving (*rāb-ēre*); *rēqv-ies*, rest (*requi-escēre*); *scāb-ies*, scurf (*scāb-ēre*); *sēr-ies*, a row (*sēr-ēre*); *spēc-ies*, a look (*spēcē-re*); *tempēr-ies*, a mixture (*tempērā-re*).

(b) From nouns, chiefly from adjectives:

audāc-ia, boldness (*audāci-*); *āvia*, a grandmother (*āvo-*); *barbār-ia* (barbaries), uncouthness (*barbāro-*); *cōlōn-ia*, a farmer-settlement (*cōlōno-*); *cōp-ia*, plenty (*cōpi-*); *concord-ia*, harmony (*concordi-*); *cūr-ia*, a body of men (*co-vīro-*?); *custōd-ia*, protection (*custōd-*); *dīvīt-iā* (pl.), riches (*dīvēt-*); *fallāc-ia*, deceit (*fallāci-*); *fāmīl-ia*, a body of slaves, a household (*fāmīlo-*); *fasc-ia*, a bandage, ribbon (*fasci-*); *fērōc-ia*, high-spiritedness (*fērōci-*); *host-ia*, a victim (*hostire*, to strike); *ignāv-ia*, cowardice (*ignāvo-*); *ignōmīn-ia*, disgrace (*in*, *gnōmān-*? cf. § 129); *inert-ia*, inactivity (*inerti-*); *infām-ia*, disgrace (*infāmi-*); *infēr-iā* (pl.), offerings to the nether Gods (*infēro-*); *injūr-ia*, a wrong (*in*, *jūs-*); *inōp-ia*, scarcity (*inōp-*); *insān-ia*, madness (*insāno-*); *lascīv-ia*, playfulness (*lascīvo-*); *māter-ia* (materies), mother-stuff, i.e. matter (*māter-*); *mēmōr-ia*, memory (*mēmōri-*); *mīlīt-ia*, service in war (*mīlēt-*); *mīsēr-ia*, wretchedness (*mīsēro-*); *perviciāc-ia*, inflexibility (*perviciāci-*); *sīm-ia*, an ape (*sīmo-*, flat-nosed?); *sōcord-ia*, indolence (*sōcordi-*); *sollert-ia*, adroitness (*sollerti-*); *sūperb-ia*, haughtiness (*sūperbo-*); *vēment-ia*, vehemence (*vēmenti-*); *vicīn-ia*, neighbourhood (*vicīno-*); *vīgīl-ia*, watching, watch (*vīgīl-*).

Also with stems in *-ie*:

āc-ies, an edge (*ācu-*); *paupēr-ies*, poverty, damage (*paupēr-*).

(c) Of uncertain origin:

ascia, an axe; *bestia*, a beast; *cicōnia*, a stork; *fēriā* (pl.), holy-days (cf. § 704. n); *gavia*, a seamew; *nēnia*, a dirge; *præstīgiā* (pl.), jugglery; *prosāpia*, stock, race; *stīria*, an icicle; *tībia*, a flute; *tīlia*, a lime-tree; *vēnia*, indulgence; *vīcia*, a vetch.

With stems in *-ie*:

cæsāries, hair of the head; *cāries*, rottenness; *inglūvies*, the gullet (*in*, *gūla-*?); *sānies*, corrupted blood (comp. *sangvis*).

4. Substantives: neuter:

929

(a) From verbs or verbal nouns:

benēfic-ium, a kindness (*beneficē-re*); *collōqv-ium*, conversation (*collōqv-i*); *commerc-ium*, trade (*commercā-ri*); *compendium*, savings (*com*, *pend-ēre*, to weigh with); *cōnūb-ium*, marriage (*com*, *nūb-ēre*); *contāg-ium*, contagion (*com*, *tang-ēre*); *deflūv-ium* (Plin.), falling off, e.g. of hair (*de*, *flu-ēre*); *dēsīdēr-ium*, longing, regret (*desīdērā-re*); *dīlūv-ium*, a deluge (*dīlu-ēre*); *discīd-ium*, divorce (*discīdere*); *dīvort-ium*, divorce (*dīvort-ēre*); *effūg-ium*, escape (*effūgē-re*); *excīd-ium*, overthrew (*excīd-ēre*); *fastīd-ium*, disgust (*fastīdī-re*); *flāgīt-ium*, a crying deed (*flāgītā-re*); *gaud-ium*, joy (*gaudēre* for *gav-īd-ēre*; comp. *Gaius*, § 945); *impēr-ium*, command (*impērā-re*);

implūv-ium, a tank (implu-ēre); incend-ium, conflagration (incend-ēre); ingēn-ium, disposition (ingign-ēre); inīt-ium, beginning (inīre); jurg-ium, a quarrel (jurgā-re); lābium, a lip (lamb-ēre); litīg-ium, lawsuit (litīgā-re); obsēqv-ium, obedience (obsēqv-i); obsīd-ium, a blockade (obsīdēre); ōd-ium, hatred (Perf. ōdisse); offic-ium, duty (ōpūs-, fācēre, cf. opificina, § 839; or from officē-re, to do towards, but the verb is usually in bad sense); opprōbr-ium, reproach (opprobriā-re); præmium, a reward (a first choice? præ, ēm-ēre); præsāg-ium, a presage (præ-sāgīre); præsīd-ium, defence (præsīdēre); prand-ium, lunch (prandēre); prolub-ium, inclination (pro, lūbēre); remēd-ium, a remedy (rēmēd-ēri); repōt-ia (pl.), renewal of drinking, i.e. the second day's feast (repōt-āre); repūd-ium, divorce (repentance? re, pūdēre; or re, pēd-, comp. tripudium); stūd-ium, zeal (stūd-ēre); suffrāg-ium, anything broken off: hence a potsberd, used in voting, a vote (sub frang-ēre); suspend-ium, hanging (suspend-ēre); suspīr-ium, a sign (suspīrā-rē); tæd-ium, weariness (tædēre); vestīg-ium, a footstep, a trace (vestīgā-re); and others.

(b) From nouns: often from personal names:

āduktēr-ium, adultery (adultēro-); āpi-um, parsley (āpi-, bee); arbitr-ium, a decision (arbitro-); artific-ium, manufacture, art (artific-); aucūp-ium, bird-catching (aucūp-); augūr-ium, an augury (augūr-); auspīc-ium, auspice (auspēc-); bienni-um, a period of two years (bienni-); collēg-ium, a board (collēga-); conjūg-ium, wedlock (conjūg-); consīl-ium, advice (consūl-); convīv-ium, a dinner-party (convīva-); cuppēdia (pl.), delicacies (comp. cuppes); exīl-ium, exile (exūl-); gland-ium, a kernel in pork (glandi-); herēd-ium, a plot of two jugera, an inheritance (hērēd-); hospit-ium, hospitality (hospēt-); indic-ium, information (indēc-); jejūn-ium, fasting (jējūno-); jūdīc-ium, a trial (jūdēc-); mancīp-ium, a conveyance of land (mancēp-, a purchaser); māgis-ter-ium, presidentship (magis-tero-); mendāci-um, a lie (mendāci-); ministēr-ium, service (minis-tero); occipīt-ium, the back-head (occiput-); pall-ium, a cloak (palla-); particip-ium, a participle (particēp-); perjūr-ium, false-swearing (perjūro-); præcipitium (post-Aug.), a precipice, a fall (præcipiti-); præd-ium, land (a thing given as security, præd-); pūlējum, fleawort, penny royal (pūl-ēc-); rēmīg-ium, rowing, a crew (rēmēg-); sacrilēg-ium, sacrilege (sacrilēgo-); sēn-ium, old age (sēn-); somn-ium, a dream (somno-); sāvī-um, a kiss (svāvi-); supplīc-ium (kneeling down), punishment (supplēc-).

(c) Compounds formed immediately from the simple parts. (See Chap. xi.)

adverb-ium, an adverb (ad, verbo-); æquinoct-ium, the period when night is equal to day (æqua-, nocti-); bipāl-ium, a double mattock (bis, pāla-); contūbern-ium, companionship (com, tāberna-); dīlūd-ium, interval between plays (dis, lūdo-); dōmicīl-ium, home (dōmo-, cōl-ēre); dīverb-ium, dialogue (dis, verbo-); hōmicīd-ium,

manslaughter (hōmōn-, cæd-ēre); *fordicidia* (pl.), *Feast of the slaughter of cow in-calf*, April 15 (*forda*-, § 134, cæd-ēre); *infortun-ium* (præ-Cic.), *a scrape* (in, *fortūna*-); *interlūn-ium*, *time of new moon* (inter, *luna*-); *internōd-ium*, *space between knots* (inter, *nōdo*-); *lectistern-ium*, *couch-covering*, i.e. for a god's banquet (*lecto*-, *sternēre*; comp. *sellisternia*, pl.); *naufrag-ium*, *a shipwreck* (nāv-, *frang-ēre*; comp. *naufragus*); *parricid-ium*, *murder* (par-?, cæd-ēre); *plēnlūn-ium* (Plin.), *time of full moon* (plēna-, *lūna*-); *pōmoer-ium*, *space behind the walls* (post, *mūro*-); *postlimin-ium*, *return home* (post, *limen*-); *præcordia* (pl.), *the diaphragm* (præ, *cordi*-); *primordia* (pl. in Lucr. also *ordia prima*), *first elements* (primo-, *ordi-ri*); *privlīg-ium*, *an enactment against an individual* (privo-, *līg*-); *proverb-ium*, *a proverb (that has become a sword?)* (pro, *verbo*-); *puerpār-ium*, *childbed* (puero-, *pārēre*; comp. *puerpēra*); *rēgifūg-ium*, *the flight of the kings* (rēg-, *fūgē-re*); *Septimontium*, *Sevenhills*, as name of Rome and of a feast (*septem*, *monti*-); *stillicid-ium*, *dripping* (*stilla*-, *cādēre*); *stipend-ium*, *pay* (*stip*-, *pendēre*); *subsell-ium*, *a stool, bench* (sub, *sella*-); *suburbium*, *the suburbs* (sub, *urbi*-); *supercil-ium*, *eyebrow* (super, *cilio*-, *above eyelids*); *tripud-ium*, *thrice stamping* (tri-, *pēd*-); *tūbillustrum*, *trumpet-purification* on Mar. 23, May 23 (*tūba*-, *lustrāre*); *vēnific-ium* (§ 28), *poisoning* (vēnēno-, *fācē-re*).

(d) Uncertain:

allium, *garlic*; *ātrium*, *a hall* (atro-, *black*, Mommsen); *bāstium*, *a kiss*; *cilium*, *an eyelid, eyelash*; *cisium*, *a gig*; *convictium* or *convitium*, *abuse*; *cōrium*, *a bide*; *dōlium*, *a jar*; *ēlōgium*, *a pithy saying* (for *ἐλεγεῖον*, Curt.); *fastigium*, *a gable top, a slope*; *grēmium*, *the lap*; *līcium*, *a leash, thread*; *lilium*, *a lily*; *lōlium*, *tares*; *mlīum*, *millet*; *minium*, *red lead*; *prōdīgium*, *a prodigy* (comp. *dig-itus*, *δεικνύειν*); *silicernium*, *a funeral feast*; *simpūvium*, *a sacrificial bowl*; *spārīum*, *a curtain*; *sōlium*, *a seat*; *spōlium*, *spoil* (cf. § 66).

-c-10 }
-lc-10 }

1. Adjectives, chiefly formed from other derivatives:

930

ædili-cius, *of an ædile* (æd-ili-); *compitāli-cius*, *of the cross-road festival* (compit-āli-); *cæmentī-cius*, *of rubbish* (cæmento-); *gentili-cius*, *of the clansmen* (gent-ili-); *lātēr-icius*, *of brick* (lātēr-); *nātālī-cius*, *of a birthday* (nātālī-); *pastor-icius*, *of a shepherd* (pas-tor-); *patr-icius*, *of the fathers* (patr-); *Sāturnālī-cius* (Mart.), *of the Saturnalia* (Sāturn-āli-); *sōdālī-cius*, *of companions* (sōdālī-); *tribūnī-cius*, *of a tribune* (trib-ūno-); *vēnālī-cius*, *of things for sale*, e.g. of slaves (vēn-āli-). (See also § 926.)

See for proper names in § 946.

2. Substantives (see also § 928):

conventicium, *assembly-money* = τὸ ἐκκλησιαστικόν (**conventu-**); **lānī-cium**, *wool* (lāna-); **mundicies** (§ 357 b, but comp. § 932, p. 358), *cleanliness*; **sōlā-cium**, *comfort* (sōl-ārī); **fīdūcia**, *confidence, a mortgage* (fīdo-); **un-cia**, *a unit of measure* (ūno-). Cf. § 928.

-ic-io **nōv-icius**, *new* (nōvo-).

-t-ic-io } From past participles (**ticio** = **-to-ic-io**?). They denote ⁹³¹
(-s-ic-io) the *quality* derived from the past *act*. Few of these words are used frequently; and of the quantity of the *i* (when not marked here) there is no positive proof.

advect-icius (Sall.), *imported*; **advent-icius**, *imputed* (as if from **advento-**); **ascript-icius** (Cic.), *of the class of ascripti, enrolled*; **collect-icius**, *collected together*; **conduct-icius**, *hired*; **commendāt-icius**, *commendatory*; **comment-icius**, *invented*; **congest-icius**, *piled up*; **convent-icius**, *of an assembly*; e.g. as neut. sub. *the fee for attending*; **dedīt-icius**, *surrendered*; **demiss-icius** (Plaut. once), *hanging down*; **ēdīt-icius**, *nominated*; **ēmiss-icius** (Plaut. once), *acting as scouts*; **empticius** (Varr.), *bought*; **fact-icius** (Plin.), *artificial*; **facti-cius** (Plin.), *fictitious*; **foss-icius**, *dug*; **insit-icius**, *ingrafted*; **miss-icius**, *discharged*; **multāt-icius**, *of fined persons*; **perpessicius** (Sen.), *patient*; **pignēraticius** (Ulp. &c.), *of a pledge or mortgage*; **recept-icius**, *of things received*; **subdīt-icius**, *supposititious*; **supposit-icius**, *supposititious*; **surrect-icius** (Plaut.), *stolen* (**surrecto-**, i.e. sub, rapto); **trālāt-icius**, *transferred*.

-t-io 1. Adjectives: **prōpi-tius**, *favourable* (prōpē); **ter-tius**, ⁹³²
third (ter-); **vātius**, *bent inward* (comp. vārus). See proper names in § 947.

2. Substantives: (a) masculine: **nun-tius**, *a messenger* (nōvo-, **vento-**, as if participle of **ven-ire**).

(b) Feminine: (1) **ia** appended to past participles and similar adjectives; all with long syllable preceding **-t**:

angus-tiæ, *straits* (angū-to-); **argū-tiæ**, *fine touches* (argu-ēre); **controver-sia**, *a dispute* (controvert-ēre); **fācē-tiæ**, *jokes* (fācē-to-); **grā-tia**, *pleasingness, thanks* (grā-to-); **indūt-iæ**, *a truce* (orig. uncertain); **inēp-tiæ** (pl.), *trifles, nonsense* (in, āp-isci); **inscī-tia**, *awkwardness* (in, scīre); **minūt-ia** (Sen.), *smallness* (minu-ēre); **mōdes-tia**, *modesty* (mōdes-to-); **mōles-tia**, *troublesomeness* (mōles-to-); **nup-tiæ** (pl.), *marriage* (nūb-ēre). Also **Ostia**, town at mouth of Tiber (ōs-).

(2) From other adjectives: **justī-tia**, *justice* (justo-); **lautī-tia**, *elegance* (lauto-); **mālī-tia**, *mischievousness* (mālo-); **primī-tiæ** (pl.), *first fruits* (primo-); **pūdīcī-tia**, *bashfulness* (pūdīco-); **puērī-tia**, *childhood* (puēro-); **sævi-tia**, *cruelty* (sævo-).

(3) Stems in *-i-tie*, usually with collateral stem in *-i-tia* (§§ 340, 342):

āmāri-ties (Catull.), *bitterness* (*āmāro-*); *āmicī-tia* (*-e* stem once Lucr.), *friendship* (*āmīco-*); *āvāri-tia* (*-e* stem once Lucr.), *greediness* (*āvāro-*); *calvi-ties* (post-Aug.), *baldness* (*calvo-*); *cāni-ties* (*-a* stem once Plin.), *grayness* (*cāno-*); *dūri-ties* (also *-a* stem), *hardness* (*dūro-*); *lenti-tia* (*-e* stem once post-Aug.), *pliancy* (*lento-*); *mollī-tia* (also *-e* stem), *softness* (*mollī-*); *mundī-tia* (*-e* stem once Catull.), *cleanliness* (*mundo-*); *nēqvī-tia* (also *-e* stem), *roguishness* (*neqvam-*); *nīgrī-ties* (Cels.; *-a* stem Plin.), *blackness* (*nīgro-*); *nōtī-tia* (*-e* stem Lucr.), *acquaintance* (*nōtī-*); *pīgrī-tia* (*-e* stem Liv. once), *laziness* (*pīgro-*); *plānī-ties* (also *-a* stem), *a level* (*plāno-*); *pullī-ties* (Varr., Col.), *a brood* (*pullo-*); *sēgnī-tia* (also *segnī-ties*), *inactivity* (*segnī-*); *spurcī-tia* (*-e* stem Lucr. once), *smuttiness* (*spurco-*); *tristī-tia* (*-e* stem Ter. once), *sadness* (*tristī-*); *vastī-ties* (Plaut.), *desolation* (*vasto-*).

(c) Neuter: (1) *-io* appended to supine stems: *cōm-i-tium*, *place of assembly* (*cōmīre*); *exercī-tium* (post-Aug.), *exercise* (*exercēre*); *ex-i-tium*, *destruction* (*ex-īre*); *in-i-tium*, *beginning* (*inīre*).

(2) From nouns, or of uncertain origin: *calvi-tium*, *baldness* (*calvo-*); *ēquī-tium*, *a stud of horses* (*ēquo-*); *gurgustium*, *a hovel*; *lautia* (pl.), *entertainment*, only in Liv. (*lauto-?*); *lotium*, *urine*; *os-tium*, *a door* (*ōs-*); *ōtium*, *leisure*; *Pālātium* (in Martial *Pālātium*), *a Roman hall, a palace*; *prētium*, *price*; *servī-tium*, *slavery* (*servo-*); *spātium*, *space*; *vītium*, *a blemish, fault, vice* (cf. Cic. *T. D.* 4. 13).

-en-t-io i.e. *-io* or *-a* appended to stem (in *-enti*) of present participles or adjectives of like form: 933

1. Feminine: *afflu-entia*, *abundance* (*afflu-ēre*); *audi-entia*, *a bearing* (*aud-īre*); *bēnēvōl-entia*, *goodwill* (*bene, velle*); *clēm-entia*, *mercifulness* (*clem-enti-*); *contīn-entia*, *self-control* (*contīn-ere*); *dillg-entia*, *accuracy* (*dillg-ēre*); *ēlēgantia*, *neatness* (*elegantī*); *frēqventia*, *crowd* (*frēqventī*); *excandesc-entia*, *bursting into a glow*, i.e. *irascibility* (*excande-sc-ēre*); *indīg-entia*, *need, craving* (*indīg-ēre*); *infantia*, *speechlessness, infancy* (*in, fārī*); *intellēg-entia*, *intelligence* (*intellēg-ēre*); *neglēg-entia*, *carelessness* (*neglēg-ēre*); *pestīl-entia*, *infection* (*pestīl-enti-*); *pētūl-antia*, *forward conduct* (*pētūl-anti*; comp. *petul-cus*); *prūd-entia*, *forethought* (*prūd-enti*, i.e. *provid-enti-*); *sāpī-entia*, *wisdom* (*sāpē-re*); *sent-entia*, *an opinion* (for *sentientia*? from *sentīre*); *tēmūl-entia*, *drunkenness* (*tēmūl-ento-*); *vīnōl-entia*, *intoxication* (*vīnol-ento-*); *viōl-entia*, *violence* (*viol-ento-*); and many others.

So the names of towns; e.g. *Placentia*, *Pollentia*, *Valentia*, &c.

2. Neuter: *sīlentium*, *silence* (*sīlēre*).

- n-d-io** Formed from stem of gerund: *crēpundia* (n. pl.), *a child's rattle* (crēpāre); *fācundia* (f.), *eloquence* (facundo-, cf. § 820); *irācundia* (f.), *wrathfulness* (irācundo-); *verecundia* (f.), *bashfulness* (vērēri).
- n-io** *contīci-nium*, *time of general silence, evening* (contīce-sc- 934 ēre); *lācīnia*, *a flap of a garment* (comp. λakis, *a rent*); *luscīnia*, *a nightingale*; *pēcū-nia*, *money (stock of cattle? from pecu-* with suffix -ino, see § 747); *scrīnium*, *a writing-desk* (scrib-ēre?); *sterqvilī-nium*, *a dung heap* (for stercōr-īl-īnium, or (with l for r) for stercor-īnium? from stereōs-). See also proper names in § 948.
- mn-io** *calu-mnia*, *a false charge* (calv-ēre).
- ōn-io** *aquilonius* (adj. Plin.), *northern* (aquilōn-); *cōlonia*, *a farmer-settlement* (colōno-); *Fāvōnius*, *west wind* (fāv-ēre); *flamonium* (not *flaminium*: cf. Momm. *Eph. Epig.* I. 221), *flamen's office*; *fullonius* (adj.), *of a fuller* (fullōn-); *lēnonius* (adj.), *of a pander* (lēnōn-); *mangonium* (Plin. once), *a trimming up of wares* (mangōn-); *mullonius* (adj.), *of a muleteer* (mullōn-); *præconium*, *a proclamation* (præcōn-). See also in § 948.
- mōn-io** Substantives: (a) feminine: *acri-mōnia*, *sharpness* (acri-); 935 *ægri-mōnia*, *sorrow* (ægro-); *cæri-mōnia*, *a sacred rite*; *casti-monia*, *chastity* (casto-); *parsi-mōnia*, *thriftiness* (from participle of parcere); *quæri-mōnia*, *a complaint* (quær-i); *sancti-mōnia*, *sanctity* (sancto-).
- (b) Neuter: *al-īmōnium* (also *alimōnia*, Plaut.), *nourishment* (āl-ēre); *mātr-īmōnium*, *marriage* (mātr-); *merci-mōnium* (Plaut., Tac.), *wares* (merci-); *patr-īmōnium*, *hereditary estate* (patr-); *testūmōnium* (testimōnium), *evidence* (testi-); *vād-īmōnium*, *recognizance, appearance on bail* (vād-).
- cīn-io** i.e. -io suffixed to stem of verbs in -cīnā (cf. § 967). 936
lātrō-cīn-ium, *robbery* (latro-cīnāri); *lēnō-cīn-ium*, *pander's arts* (lēnō-cīnāri); *pātro-cīn-ium*, *protection* (patro-cīnāri); *ratio-cīn-ium*, *calculation* (rātio-cīnāri); *tīrō-cīn-ium*, *pupillage* (tīrōn-; the verb is not in use); *vāti-cīn-ium*, *prophecy* (vāti-cīnāri).
- l-io** i.e. -io suffixed to a diminutival suffix -lo. 937
auxilium, *aid* (auxo-, for aucto-? cf. αὐξάνω); *conclium*, *a council* (conclire); *pēcū-lium*, *property of children or slaves (small stock of cattle, pecu-)*; *prælium*, *a battle*; *quisqvī-liæ* (pl.), *refuse* (§ 118. 4). See also proper names in § 949.
- āl-io** *Baccanālia* (g. pl. *Baccanaliūrum*, § 425); &c. Cf. p. 335. 938
- ōl-io** *Cāpitolium*, *the Roman Capitol*. 939
- ēl-io** *contūmēlia*, *insult* (contumēre?); *fīd-elia*, *an earthen jar*.
- īl-io** or **-ll-io**. See proper names in § 949.

-r-io 1. Adjectives: *prōprius*, *one's own*; *vārius*, *varied*. 940

2. Substantives: *cantērius*, *a gelding* (from *καυθήλιος*?); *centūria*, *a division composed of a hundred men* (*centum*, *vīro*? § 94. 2); *dēcūria*, *a division composed of ten* (*dēcem*-); *eqvirria* or *ecurria* (pl.), *horse-race day* on Feb. 27, Mar. 14 (for *eqvi-curr-ia* from *eqvo*-, *curr-ēre*?) *glōria*, *glory* (*cluēre*? § 127); *Lēmūria* (pl.), *Night of offerings to wrathful spirits*, May 9, 11, 13 (*Lēmūres*); *longūrius*, *a long pole* (*longo*-); *luxūria* (*luxūries*), *luxury* (*luxu*-); *macēria* (also early *maceries*), *a wall*; *pēnūria*, *scarcity* (comp. *πείνα*, *bunger*); *promuntūrium*, see § 943. 2; *tūgūrium*, *a but* (*tēg-ēre*?); *voltūrius*, *a vulture* (comp. *voltur*, § 454). See also § 928.

-br-io 1. Adjectives: *ēbrius*, *drunken*; *sobrius*, *sober* (comp. *σῶς*, *safe*). 941

2. Substantives: *Fimbria* (proper name); *fimbriæ* (pl.), *fringe* (*fibro*-?); *lūdi-brium*, *mockery, sport* (*lūdo*-); *manu-brium*, *a handle* (*mānu*-).

-ār-io Very numerous, often with collateral stems in -ārī (§ 906), 942 but without any tendency to change to -ālio when an *r* precedes. Many of these words, named here as substantives, are also used, less noticeably, as adjectives, or in other genders, or other special meanings.

1. Adjectives:

advers-arius, *opposed* (*adverso*-); *ser-arius*, *of bronze, of money* (*æs*-); *agr-arius*, *of land* (*agro*-); *āl-arius*, *of the wing* (*āla*-); *annivers-arius*, *annual* (*anno*-, *verso*-); *āqv-arius*, *of water* (*āqva*-); *argent-arius*, *of silver, money* (*argento*-); *auxili-arius* (also *auxiliaris*), *auxiliary* (*auxilio*-); *calc-arius*, *of chalk* (*calci*-); *cald-arius*, *of warm baths* (*calda*-); *caus-ārius*, *in ill-health* (*causa*-, *an ailment*, Cels., Sen., Plin.); *cell-ārius*, *of the cellar* (*cella*-); *classi-arius*, *of the fleet* (*classi*-); *contr-arius*, *opposed* (*contra*); *extr-arius*, *outside, strange* (*extra*); *fidūci-arius*, *under a trust* (*fiducia*-); *frūment-arius*, *of corn* (*frūmento*-); *grēg-arius*, *of a herd* (*grēg*-); *hōnōr-arius*, *of honour or of a public office* (*hōnōr*-); *jūdicī-arius*, *of the law courts* (*jūdicio*-); *lēgiōn-arius*, *of a legion* (*lēgiōn*-); *mānūfest-arius* (Plaut.), *caught in the act* (*manu-festo*-); *mātēri-arius*, *of timber* (*mātēria*-); *mens-arius*, *of a bank* (*mensa*-); *mercenn-arius*, *for hire* (from *mercēd*-, with a suffix -ōn); *naumachi-arius* (Plin., Suet.), *for a sea-fight* (*ναυμαχία*); *nēcess-arius*, *necessary* (*nēcesse*); *numm-arius*, *of money* (*nummo*-); *ōnēr-arius*, *for burden* (*ōnūs*-); *ōpēr-arius*, *of labour* (*ōpēra*-); *pēcu-arius*, *of cattle* (*pēcu*-); *pisc-arius*, *of fish* (*pisci*-); *piscīn-arius*, *of a fishpond* (*piscīna*-); *prēc-arius*, *on sufferance* (*prēc*-); *prim-arius*, *of the first* (*prīmo*-); *qvinusvicenarius*, *of twenty-five* (*qvinō*-, *viceno*-); *qvinqvāgēn-arius*, *consisting of fifty* (*qvinqvāgēno*-); *sē-*

cund-arius, *secondary* (sēcundo-); sēn-arius, *containing six* (sēno-); stipendi-arius, *paying a (fixed) tribute* (stipendio-); sūblt-arius, *hasty* (sūblto-); subsidi-arius, *in reserve* (subsīdio-); sumptu-arius, *of expense* (sumptu-); tābell-arius, *of the ballot*, see also 2 (a) (tābella-); tālarius, *of dice* (tālo-); tēmēr-arius, *rash* (tēmēre-); tempōr-arius, *for a time* (tempōs-); testāment-arius, *of a will* (testāmento-); tūmultu-arius, *of a bustle, hurriedly done* (tūmultu-); vesti-arius, *of clothes* (vesti-); vīn-arius, *of wine* (vīno-); unci-arius, *of an ounce or twelfth part* (uncia-); vōlunt-arius, *by free will* (vōluntī-, or for vōlunta-tarius); vōlupt-arius, *of pleasure* (vōluptāt-, for volupta-tarius); and others.

2. Substantives: (a) masculine:

antiqv-arius (post-Aug.), *an antiquarian* (antiqvo-); cēt-arius, *a fishmonger* (cēto-); cīnēr-arius, *a haircurler* (cīnīs-, ashes in which the irons were heated); comment-arius (sc. liber), *a note-book* (commento-); cūbicūl-arius (Cic., cf. § 906), *a valet* (cubiculo-); dēn-arius (sc. nūmus), *a ten-as-piece* (dēno-); ēmiss-arius, *a scout* (emisso-); febru-arius (sc. mensis), *the month of purifications* (februo-); horre-arius, *a granary-keeper* (horreo-); jānu-arius (sc. mensis), *the gate-month?* (janua-), or *month of Janus-feast?* (Jano-, Januo-); libr-arius, *a transcriber* (libro-); lign-arius, *a joiner* (ligno-); marmōr-arius, *a marble mason* (marmōr-); nōt-arius, *a shorthand writer* (nōta-); osti-arius, *a doorkeeper* (ostio-); prōlēt-arius, *a citizen of the lowest class*; pull-arius, *a chicken-keeper* (pullo-); pult-arius (sc. calix), *a cup, properly for pottage* (pulti-); qvadrīg-arius, *a driver of four-in-hand* (qvadrīga-); rēti-arius, *a net-fighter* (rēti-); ror-arius, *a light-armed soldier*; sext-arius, *a pint, a sixth of a congius* (sexto-); tābūl-arius, *a registrar* (tābūla-); tābell-arius, *a letter-carrier* (tābella-); tolut-arius (Sen.), *a trotter* (cf. tolutim, § 534); tri-arius, *a soldier of the third line* (tri-); vic-arius, *a deputy* (vici-); and others.

(b) Feminine: ārēn-ariæ (pl.), *sandpits* (ārēna-); argent-aria, *a bank, a silver mine* (argento-); calv-āria, *a skull* (calvo-, bald); ferr-ariæ (pl.), *ironworks* (ferro-); sulphūr-aria, *a sulphur pit* (sulphūr-).

So as names of plays (cf. Ritschl. *Parerg. Plaut.* p. 140); e.g. by Plautus: Asīn-aria (sc. fābula), *of an ass* (āsīno-); Aulūl-aria, *of a pottle* (aulūla-); Cistell-aria, *of a casket* (cistella-); Frīvōl-aria, *of cracked crockery?* (frīvōlo-, cf. Fest. p. 90, Müll.); Mostell-aria, *of a ghost* (mostello-, from monstro-); Nervōl-aria, *of a little thong* (nervōlo-); Vidūl-aria, *of a portmanteau* (vidūlo-). By Nævius, Coroll-aria, Tūnicul-aria (tūnicūla-); by Nonius, Gallinaria, Tābellaria, Tōgūlaria; by Pomponius, Sarcūlaria.

(c) Neuter: ær-arium, *the treasury* (æs-); æstu-arium, *a tidal bay* (æstu-); armāment-arium, *an arsenal* (armāmento-); arm-

arium, a cupboard (*arma*); avi-arium, an aviary (*āvi-*); bell-aria (Varr.), pastry (*bello-?*); bo-arium (sc. *forum*), the cattle-market (*bōv-*); cēr-arium, a fee for sealing (*cēra-*); cīb-aria (pl.), provisions (*cībo-*); cōlumb-arium, a dovecot, a set of pigeon-boles (*cōlumba-*); column-arium, a tax on pillars (*cōlumna-*); congi-arium, a quart-largess (*congius* = 5·76 pints); di-arium, daily allowance (*die-*); dōn-arium, a temple, an offering (*dōno-*); emiss-arium, an outlet (*emisso-*); frigīd-arium, the cooling-place (*frigīda-*, sc. *aqua*); fustu-arium, a cudgelling (*fusti-*, cf. § 405); grān-aria (pl.), granaries (*grāno-*); kālend-arium, an account-book (*kālenda-*); mort-arium, a mortar (*morti-?*); pōm-arium, an orchard (*pōmo-*); pulment-aria (pl.), condiments, relish (*pulmento-*); sācr-arium, a sbrine (*sācro-*); sāl-arium, salt-money, salary (*sāl-*); sōl-arium, a sun-dial, balcony (*sōl-*); sōl-arium (Dig.), ground-rent (*sōlo-*); sūd-arium, a towel (*sudā-re*, to sweat); tābūl-arium, a registry (*tābūla-*); virīd-arium (or virīdi-arium), a shrubbery (*virīdi-*); viv-arium, a preserve, e.g. a fishpond (*vīvo-*); and others.

-tōr-io } i.e. -io appended to personal names in -tor (or -sor § 908). 543
 (-sōr-io) } Some appear to be formed immediately from the supine stem, or past participle:

1. Adjectives:

accūsā-tor-ius, of an accuser; āleā-tor-ius, of a gamester; āmā-tor-ius, amatory; ambūlā-torius (Plin.), moveable; bellā-tor-ius, of a warrior; cen-sor-ius, of a censor; circūla-tor-ius (Quint.), of a mountebank; damna-tor-ius, damnatory; dēclāma-tor-ius, declamatory; decrē-tor-ius (post-Aug.), decisive (*decrēto-*); defunc-torius (post-Aug.), slight, cursory; dictā-tor-ius, of a dictator; explōra-tor-ius (Suet.), of a scout; gestā-tor-ius (Suet.), for carrying; glā-diā-tor-ius, of a gladiator; impērā-tor-ius, of a general; lū-sor-ius (post-Aug.), for playing (*lūsu-?*); mes-sor-ius, of a reaper; mēri-torius, for hire (*mērito-*); nūgā-tor-ius, trifling; objurgā-tor-ius, reproachful; ōrā-tor-ius, of an orator; pas-tor-ius (Ov.), of a shepherd; perfū-sor-ius (post-Aug.), superficial; piscā-tor-ius, of a fisherman; pis-tor-ius (Cels., Plin.), of a baker; pō-torius (Plin.), for drinking (*pōtu-*); prācur-sor-ius (Plin. Ep.), as a forerunner; prāedā-tor-ius, predatory; prāediā-tor-ius, of purchasers of estates sold by auction; profes-sor-ius (Tac.), of a professor; pugnā-tor-ius (post-Aug.), of a combatant; quæs-tor-ius, of a quæstor; rēcūpērā-tor-ius, of recovery-commissioners; saltā-tor-ius, of dancers; scrip-tor-ius, of writers; sēnā-tor-ius, of a senator; spēcūlā-tor-ius, of scouts; svā-sor-ius (post-Aug.), persuasive; sū-tor-ius, of a shoemaker; vētērā-tor-ius, of an old practitioner; and others.

2. Substantives: (a) feminine: Agitātorīa (sc. *fabula*), name of a play by Nævius, of a driver (*agitātōr-*); victor-ia, victory; vorsoria, a turn (only in Plautus 'cape vorsoriam').

Neuter: *aud-itor-ium*, a lecture-room; *adjū-tor-ium* (post-Aug.), assistance; *cēnā-toria* (pl.), dinner dress; *condi-tor-ium*, a store-house; *dēvor-sor-ium*, an inn; *dīrib-ītōr-ium*, a ballot-distributing place; *portorium*, a toll (barbour or gate toll? *portu-*, *porta-*); *præ-tōr-ium*, the general's tent; *promunt-ōr-ium* (*promuntūrium*, Fleck.), a headland (*prominēre*?); *rēpōsi-tōr-ium*, a dumbwaiter; *sēclū-sōrium* (Varr.), a place of retreat (*secluso-*); *tec-tor-ium*, plaster of walls (*tecto-*); *tentōr-ium*, a tent (*tento-*); *territorium*, a territory (*terr-ēre*? i.e. a place from which people are warned off).

-eio *legulejus*, a pettifogger (as if from *lēg-ula-*); *plēbejus*, of the commons (*plebe-*). For proper names see § 951.

Compound stem-endings: *-iāco*, § 775; *-iensī*, § 815; *-iāno*, § 832; *-iāno*, § 837; *-iōn*, *-ciōn*, *-tiōn* (*-siōn*), § 852—854.

iii. *Proper names with stems ending in -io.*

944

A vast number of Roman names have stems ending in *-io*. They are properly adjectives, and the suffix *-io* is probably the same¹ as the genitival suffix seen in *illius* (*illo-ius*), *culius* (*quo-ius*; also used as adjective, § 379), &c.¹ Thus *Claud-ius* is of *Lame*, i.e. (often) *Lame's son* (comp. *John Williams* = *William's John*).

Most of these names are *clan-names*, i.e. *nomina* in the strict sense. Some are *prænomena*. (These have here 'præn.' appended).

The names are selected principally from those occurring in the *Corp. Inscr. Lat. Vol. I.*, especially in the *Fasti*. Few are post-Augustan only. The quantity of the vowels is marked only when distinct authority for it, either from poetry or Greek transcription, has been found.

p-io	<i>Amplius</i> ; <i>Appius</i> (præn.); <i>Opplius</i> ; <i>Pāpius</i> ; <i>Pūpius</i> ; <i>Ulpus</i> . 945
b-io	<i>Albius</i> (<i>albo-white</i>); <i>Bæbius</i> ; <i>Fābius</i> (<i>fāba-, bean</i>); <i>Vībius</i> .
m-io	<i>Memmius</i> ; <i>Mummius</i> ; <i>Opīmius</i> (<i>ōpīmo-, fat</i>); <i>Postāmius</i> (<i>postūmo-last</i>); <i>Septīmius</i> (<i>septīmo-, seventh</i>).
v-io	<i>Bāvius</i> ; <i>Flāvius</i> (<i>flāvo-yellow</i>); <i>Fulvius</i> (<i>fulvo-tawny</i>); <i>Gavius</i> (probably same as <i>Gaius</i> : comp. <i>gau-dium</i> , γαῦρος, γαίειν); <i>Helvius</i> (<i>helvo-yellow</i>); <i>Līvius</i> (comp. <i>livēre</i> ,

¹ Key, *Proc. Phil. Soc.* for 1856, p. 239.

to be blue); Mævius; Nævius (nævo- *wart*); Növius (növo-, *new*); Octāvius (octāvo-, *eighth*), Pācūvius; Salvius (salvo- *safe*); Servius, præn. (servo-, *slave*); Silvius (silva-, *a wood*); Vitruvius.

f-lo Alfius; Fūlius.

c-lo Accius¹; Anicius; Apicius; Cædicius; Cincius; Cornificius⁹⁴⁶ *horn maker?* (cornu- *fācere*); Dēcius; Fabricius (fabro-, *workman*); Genucius; Larcus; Lūcius, præn. (lūc-, *light?*); Maccius (macco-, *buffoon*); Marcius (Marco-); Mīnūcius; Mūcius; Nūmicus; Plancius (Planco-); Publicus (publico-); Porcius (porco-, *pig*); Roscius; Tuccius (Tucca-); Sulpicius; Vinicius.

g-lo Magius; Sergius; Valgius (valgo-, *bowlegged*).

t-lo Aebutius; Antistius (antistēt-, *priest*); Arruntius; Attius¹;⁹⁴⁷ Cātius (cāto-, *sharp*); Cluentius (cluenti- *client*); Curtius; Curtius (curto-, *clipt*); Digitius (dīgīto- *finger*); Dōmītius (dōmīto-, *tamed*); Egnātius; Grātius (grāto-, *pleasing*); Hōrātius; Hirtius (hirto-, *shaggy*); Hostius; Instantius (instanti-, *urgent*); Juventius (jūvēm-, *young*); Lūcrētius; Lūtātius; Matius; Mūnātius; Nautius (nauta-, *sailor*); Plantius or Plōtius (plauto-, *flat*); Pontius (for Pomptius? cf. § 951); Pōtītius (pōtīto-, *won*); Prōper-tius; Qvinctius (qvincto-, *fifth*); Sallustius; Scaptius; Sentius; Sextius or Sestius (sextō- *sixth*); Stātius; Tērentius; Titius (Tīto-); Trēbātius; Vegetius (vēgēto-, *active*); Vettius.

d-lo Aufidius; Calidius (cāldo-, *hot*); Cālidia (cāno-, *hoary*); Claudius or Clōdus (claudo-, *lame*); Considius (Conso-); Cordius (cord-, *heart*); Falcidius (falci-, *reaping-book*); Fūfidius (Fūfīo-?); Helvidius (helvo-, *yellow*); Nigidius; Ovidius (ōvi-, *sheep?*); Pēdus (pēd-, *foot*); Ventidius (vento-, *wind?*); Vettidius; Vibidius.

n-lo Afrānius; Annus (anno-, *year?*); Antōnius; Apronius;⁹⁴⁸ Asinius ('Ασίννιος and 'Ασίνιος) (āsīno-, *ass*); Autronius; Calpurnius; Caninius; Cānius; Cilnius; Cōmīnius; Coponius (cōpōn-, *inn-keeper?*); Coscōnius; Cossinius (cosso-, *wrinkled?*); Ennius; Fan-nius; Feronia, an *Italian goddess*; Flāminius (flāmēn-, *priest*); Fundānius; Furnius (furno-, *oven*); Gabinus; Geganius; Hōrennius (hērēd-, *heir?* comp. mercennarius); Jūnius (jūvēm-, *young*); Lēmō-nia, a tribe; Licīnius (Λικίννιος and Λικίνιος) (licīno-, *curled upwards*); Mænius; Magulnius; Mānius, præn. (māni-, *morning*); Mēnēnius; Nōnius (nōno-, *ninth*); Papinius; Pētrōnius (petrōn-, *rustic?*); Plinius; Pompōnius; Pupinia, a tribe; Scribōnius; Semprōnius;

¹ The poet's name is written both Attius and Accius. In Greek "Αττιος only is found.

Sicinius; Sinnius; Stertinius (stertēre, *snore?*); Svētōnius; Tarquīnius; Tītīnius; Trēbōnius; Vātīnius; Vergīnius; Vīnius (vīno-, *wine?*); Vipsānius; Vōcōnius; Voltīnia, a tribe; Vōlumnius.

1-io Acilius; Ælius; Æmilius (æmūlo-, *rival*); Aquilius or 949
 Aquillius (aqvīla-, *eagle*); Arelius; Atilius; Aurēlius;
 Cæcilius; Camilia, a tribe; Carvilius; Cascellius; Caelius; Cornē-
 lius; Duilius or Duellius (duello-, *war*); Fostius or Folius; Gellius;
 Hostilius (hosti-, *enemy?*); Jūlius; Lælius; Lollius; Lūcilius (Lūcio-?);
 Mælius; Mamilius; Mānilius (Mānio-); Manlius (Μάλλιος and Μά-
 λιος); Orbilius; Otācilius; Petilius or Petillius; Pœtēlius; Pollia,
 a tribe; Pompilius; Pōpilius or Pōpillius (pōpūlo-, *people*); Publius,
 præn. (pōpūlo-, *people*); Publilius (Publio-); Qvinctilius; Rōmilius
 (Rōmūlo-); Rūpilius; Rūtīlius; Servilius; Sextilius (sexto-); Silius
 (silo-, *flatnosed*); Statilius (Stātio-); Tigellius; Trēbellius; Tullius
 (Tullo-); Turpilius (turpi-, *foul*); Vergilius; Villius; Vitellius (vi-
 tello-, *egg-yolk*).

r-io Arrius; Cūrius; Fūrius (fūr- *thief?*); Galeria, a tribe; 950
 Hatērius; Lābērius; Ligarius; Māmūrius (Ov.) or Mā-
 mūrius (Prop.); Mārius (māri-, *sea*); Massurius (Māsūrius, Pers.);
 Mercūrius; Nērius; Numērius (præn.); Nūmitōrius; Pāpīrius; Pīna-
 rius; Plætorius; Rābīrius (rābie-? *madness*); Rubrius (rubro-, *red*);
 Sertōrius; Spūrius, præn. *illegitimate*; Stābērius; Tībērius, præn.
 (Tībēri-, *the Tiber*); Titurius; Vālērius; Vārius, *spotted*; Verrius
 (verri-, *a boar*); Vestorius; Vēturius.

a-io Cæsius (*bluish grey?* or from cæso-, *slain?*); Cassius
 (casso-, *empty*); Hortensius (horto-, *garden*); Persius
 (Persa-, *Persian*); Sōsius; Volusius.

a-io } Gajus (comp. Gavius), præn.; Majus (*increasing*, from
 or ajo- } māg-, § 129. 2. d); Stajus.

e-io } Appulejus (Appulo-, *Apulian?*); Atejus; Aurunculejus; 951
 or ejo- } Canulejus; Cicerejus (L. 41. 28); Consulejus; Coccejus;
 Egnatulejus (C. Phil. 3. 3); Flavolejus; Fontejus; Hirtu-
 lejus (hirto-, *shaggy*); Luccejus; Pompejus (comp. pomp-
 tis = qvinqve, § 118, 2); Rabūlejus (rabula-, *pettifogger*);
 Saufejus; Sejus; Vellejus; Venulejus; Voltejus.

CHAPTER X.

VERB-STEMS.

Simple verbs may be divided into four classes, according as they ⁹⁵¹ are formed :

- (1) by union of a root directly with the suffixes of inflexion :
- (2) by the addition of a verbal stem-suffix to a root :
- (3) by the addition of a verbal stem-suffix to a noun-stem :
- (4) by the addition of a special derivative-suffix (as well as a verbal stem-suffix) to a root.

Those verbs whose precise origin is obscure may be presumed to belong really to one of these classes.

1. The *first* of these classes contains what are probably the ⁹⁵³ oldest verbs in the language. Many of these verbs exhibit, when the inflexional suffixes are stripped off, a form different from what we may imagine to be the simple root. Such differences are partly due to modifications, either in fact (e.g. *vinc-ere*, *vic-tum*), or in origin (e.g. *jung-ere*, from root *jug-*), belonging to the present stem only, and therefore in the sphere of inflexion rather than of derivation: and partly due to early modifications of the root in order to suit a different shade or turn of the radical conception (comp. *verr-ere* with *vert-ere*). In some cases the apparent root may conceal a compound or derivative origin.

2. The *second* class contains verbs with each of the stem suffixes, e.g. *amāre*, *cubāre*; *argu-ere*, *minu-ere*; *tenēre*, *cārēre*; *venire*, *fērīre*. In some cases the stem-suffix is constant in all parts of the verb; in others it is confined to the present tense. This inconstancy may be accounted for on the presumption that the stem-suffix was originally a tense-suffix only, or, that its use was the result of a gradual growth, and therefore precarious and uncertain in its occurrence. In this class of *e* verbs, the *e* is constant only where it is radical.

3. The *third* class contains the great majority of the *a* verbs and a considerable number of *e* verbs. In some cases the noun from which the verb might naturally be derived is not found, but the verb is formed on the analogy of others.

4. The *fourth* class can hardly be said to exist at all unless the frequentative verbs (§§ 964—966) be referred to it and not to the third class. The other verbs with derivative suffixes named below (§§ 962, 963, 967—969) may probably be considered as presuming noun-stems as their origin. The suffix *sc* (§ 978) is more properly an inflexional than a derivative suffix.

The following lists contain chiefly verbs of the third and fourth 954 classes, and those verbs of the second class in which the stem-suffix is constant. The other verbs of the second class (with some exceptions, chiefly of 1 verbs) and the verbs of the first class are omitted here, being already enumerated in Book II. Chap. xxx. (also in xxi. and xxiii.).

The verbs will be arranged here under their *stem-suffixes* (not in the above-named classes).

i. Verbs with -a stems.

955

(1) from substantives with -a stems:

ancillari, be a handmaid; *ānīmare*, fill with breath; *āquari*, fetch water; *bullare* (also *bullire*), bubble; *cālumniari*, bring false charges; *cāvillari*, jest; *causari*, give as a reason; *cēnare*, sup; *centūriare*, divide into centuries; *cōmare*, furnish with hair (only in participles); *convivari*, banquet with others; *cōpūlare*, unite; *cōrōnare*, crown; *culpare*, blame; *cūrare*, take charge of; *diffāmare*, spread abroad (*fāma*); *effēmīnare*, make thoroughly womanish; *ēpūlari*, feast; *fabricare*, fashion; *fābūlari*, converse; *fēriari*, keep holiday; *figūrare*, form; *flammare*, blaze; *formare*, mould; *formicare*, creep like ants; *fortūnare*, bless; *fūgare*, put to flight; *fūrari*, drive mad; *gemmaire*, bud; *glōriari*, boast; *infīdari*, equivocate; *insīdari*, put an ambush; *lācrīmāre*, weep; *librare*, balance; *lineare*, make straight; *līmāre*, to file; *luxūriare*, be rank; *lirare*, plough-in seed; *māchīnari*, contrive; *mācūlare*, spot; *mātēriari*, fell wood; *mētari*, measure; *mīnari*, threaten; *mōrari*, delay; *multare*, fine, punish; *nauseare*, be sea-sick; *nōtare*, mark; *nūgari*, trifle; *nundīnari*, attend market, traffic; *oblittērare*, cover with letters, obliterate; *occare*, boe; *ōpērari*, be busy; *plantare*, plant; *prædari*, make booty; *pugnare*, fight; *quadrare*, make, or be, square; *rīnari*, root out, search (*rīma*, chink); *rixari*, quarrel; *rōtare*, creak; *rūgare*, wrinkle; *sāginare*, fatten; *scintillare*, sparkle;

scurrari, play the buffoon; *spēcūlari*, spy out (*spēcūla*, watch tower); *spicare* (Plin.), furnish with ears of corn; *spūmare*, foam; *stillare*, drop; *stīpūlari*, make a bargain (from *stīpūla*, a straw? or from diminutive of *stīps*, a coin?); *tērēbrare*, bore; *trīcari*, play tricks; *trūtinari*, weigh; *turbare*, disturb; *umbrare*, overshadow; *undare*, swell, wave; and others.

(2) from substantives with -e stems:

956

glāciare, turn to ice; *mēridiare* (also dep.), take a noon-day meal.

(3) from nouns with -o stems; (a) from substantives:

957

ācervare, pile up (*acervus*); *ādultērare*, pollute (*adulter*); *āstivare*, pass the summer (*āstiva*, pl. summer quarters); *arbītrari*, form a judgment (*arbiter*, judge); *archītectari*, build (*architectus*); *argūmentari*, adduce proof (*argūmentum*); *armare*, arm (*arma* pl.); *auxiliari*, help (*auxilium*); *bacchari*, celebrate Bacchic rites, revel; *bajūlare* carry a burden (*bajulus*, porter); *bāsiare*, kiss (*bāsiūm*); *bellāre*, war (*bellum*); *cachinnare*, laugh (*cachinnus*); *cāelare*, grave (*cāelum*, a burin); *calceare* (*calciare*), shoe (*calceus*); *cancellare* (post-Aug.); lattice, cross through (*cancelli*, pl.); *cāpistrare*, halter (*cāpistrum*); *carbuncūlare* (Plin.), have a carbuncle (*carbunculus*); *circīnari*, round (*circīnus*, pair of compasses); *circūlari*, form a group (*circūlus*); *concīliare*, unite (*concīlium*); *consīliari*, form plans (*consīlium*); *conviciari*, rail (*conviciūm*); *cōlare*, filter (*cōlum*); *cribrare*, sift (*cribrum*); *cūmūlare*, pile up (*cūmūlus*); *cūneare*, wedge (*cūneus*); *damnare*, condemn (*damnum*, loss); *diglādīari*, fight it out (*glādīus*); *dōmīnari*, rule (*dōmīnus*); *dōnare*, grant, make a grant to (*dōnum*); *emendare*, take out faults (*mendūm*); *fāmūlari*, be a servant (*fāmūlus*); *fermentare*, cause to ferment (*fermentum*); *flāgellare*, whip (*flāgellum*); *frēnare*, bridle (*frēnum*); *frūmentari*, get corn (*frūmentum*); *fūcare*, dye (*fūcus*); *fūmare*, smoke (*fūmus*); *fundare*, establish (*fundus*, bottom); *gūbernare*, steer (*gūberna* pl.); *jōcari*, joke (*jōcus*); *jūgare*, yoke (*jūgum*); *jūgūlare*, cut the throat (*jūgulum*); *lāmentari*, lament (*lāmenta*, n. pl.); *lāniare*, butcher (*lanius*); *lāqveare* (not prae-Aug.), snare (*lāqveus*); *lignari*, collect wood (*lignum*); *lōcare*, place (*lōcus*); *lucrari*, make gains (*lucrum*); *lustrare*, purify, survey (*lustrum*); *mācērare*, steep (*mācer*); *ministrare*, attend (*minister*); *mōdūlari*, measure (*mōdūlus*); *monstrare*, show (*monstrum*); *nēgōtiari*, do business (*nēgōtium*); *nōdare*, knot (*nōdus*); *numerare*, count (*nūmērus*); *nuntiare*, announce (*nuntius*); *oscūlari*, kiss (*oscūlum*); *ōtiari*, have leisure (*ōtium*); *pābūlari*, collect fodder (*pabulum*); *palpare*, stroke (*palpum*); *pampīnare*, trim vines (*pampīnus*, a vine tendril); *pastīnare*, dibble (*pastīnum*); *pōpūlare* (also -ari), devastate (*pōpulus*?); *procellari*, battle (*procellum*); *prōcare* (rare), demand (*prōcus*); *rādiare*, shoot forth rays (*rādīus*); *regnare*, reign (*regnum*); *rēpudiare*, reject (*rēpudium*); *scrūtari*, search (*examine into heaps*

of old stuff? *scrūta* pl.); *servare*, take care of (*servus*); *sibillare*, hiss (*sibillus*); *signare*, stamp (*signum*); *somniare*, dream (*somnium*); *sönare*, sound (*sönus*); *spätliari*, walk about (*spätium*); *spölliare*, despoil (*spöllum*); *stäbülari*, stable, roost (*stäbulum*); *stimülare* prick (*stimulus*); *stömächari*, be irritated (*stömachus*); *stuprari*, debauch (*stuprum*); *sväviare*, hiss (*svavium*); *sulcare*, furrow (*sulcus*); *süsurrare*, whisper (*süsurrus*); *terminare*, set bounds to (*terminus*); *triumphare*, triumph (*triumphus*); *tumulare* cover with a mound (*tümtilus*); *vallare*, surround with a rampart (*val-lum*); *vēlare*, veil (*vēlum*); *ventilare*, make a small breeze (*ven-tūlus*); *vilicare*, to be a farm steward (*vilicus*); *vitiare*, spoil (*vītium*); *volgare*, publish (*volgus*); and others.

(b) From adjectives with -o stems:

semülari, rival; *seqvare*, level; *äliēnare*, alienate; *alternare*, do 358
by turns; *antiquare*, reject a bill; *äpricari*, bask in the sun; *aspērare*, roughen (*asper*); *averruncare*, avert; *cæcare*, blind; *cävare*, make bolloaw; *clärare*, make illustrious; *commödare*, make serviceable; *continuare*, join; *cöruscare*, quiver; *crispäre*, curl; *cunctäri*, delay; *curvare*, bend; *curtare*, dock; *densare*, thicken; *dēprävare*, distort (*prävo-*); *dēsölare*, render desolate (*sölo-*); *dignari*, think worthy; *dilätare*, spread (*läto-*); *dürare*, barden; *explänäre*, make plain; *fēcundare* (Verg.), make fruitful; *festinare*, hasten; *firmare*, strengthen; *foedare*, dirty; *fūnestare*, fill with death; *fuscare*, darken; *gēmi-nare*, double; *grätäri*, show pleasure; *hibernare*, winter; *hilärare*, cheer; *hōnestare*, compliment; *ignorare*, ignore (*ignarus*); *incestare*, defile; *infestare*, attack; *infirmare*, weaken; *inquiētare*, disquiet; *intē-grare*, renew (*integer*); *itērare*, repeat (comp. *iterum*, adv.); *lächerare*, tear (*läcer*); *lätäri*, rejoice; *lätificare*, make glad; *lassäre*, weary; *laxare*, loosen; *libërare*, free (*liber*); *mäturare*, ripen; *mödicari*, (also -are) heal; *mendicari*, beg; *mīrari*, wonder at; *miserari*, de-plore (*miser*, wretched); *mütillare*, lop; *mütuari*, borrow; *nöware*, renew; *nüdare*, make bare; *obliquare*, turn aside; *obscurare*, darken; *öpinari*, to think (comp. *nec opinus*); *orbare*, bereave; *päcificare*, pacify; *pandare*, bend, curve; *pärëgrinari*, travel; *perpëtuate* (rare), perpetuate; *piare*, appease; *pigrare* (Lucr.), *pigrari* (Cic.), to be lazy (*piger*); *privare*, deprive (*privus*, single); *pröbare*, test, show to be good; *pröfänare*, profane; *prospërare*, make prosperous; *pröpin-quare*, approach; *publicare*, make public; *quadrüplari*, be an informer (lit. get fourfold penalty); *reciprocare*, move to and fro; *rusticari*, live in the country; *rütillare*, make or be red; *säcrare*, consecrate (*säcer*); *sänare*, heal; *säturare*, glut (*sätur*); *sauciare*, wound; *sēcundare*, favour; *sērēnare*, clear up; *assövērare*, assert strongly; *persövērare*, persist; *siccare*, dry; *söciare*, ally; *söldare*, make solid; *sollicitare*, harass; *spissare*, make thick; *süpërare*, overcome; *sü-pinare*, bend upwards; *tardare*, delay; *tranquillare*, calm; *tröpl-*

dare, hurry; truncare, lop; văcuare, empty; văgari, stroll about; văriare, diversify; vastare, lay waste; vorecundari, feel bashful; umeectare, moisten; and others.

(4) From substantives with -u stems:

959

aestuare, be hot, surge; arcuare, bend like a bow; fluctuare (also depon.), undulate, waver; sinuare, curve; tumultuare (also depon.), make a bustle.

(5) From nouns with -i stems:

960

antestari (for ante-testari), call witnesses preliminarily (testi-); calcare, trample (calx, heel); cēlēbrare, frequent (cēlēber); cēlērare, hasten (cēler); compārare, match (par: besides the compound of parare); concordare, agree (concors); dītare, enrich (dīs); dōtare, dower (dōs); dūplīcare, double (duplex); exstirpare, root out (stirps); fraudare, cheat (fraus); frēqventare, resort to (frēqvens); grāvare, burden (grāvis); hēbētare, blunt (hēbes); interpōlare, furbish up (interpōlis); lēvare, lighten (lēvis); mēmōrare, relate (mēmōr); mercari, traffic (merx); pācare, appease (pax); pārentare, sacrifice in honour of a parent? (pārens); piscari, fish (piscis); prācīpītare, burl down (prāceps); prōpāgare, propagate (propāges); quīrītare, cry in fear (declare oneself a citizen? Quīris); rēprāsentare, exhibit, pay at once (prāsens); sēdare, settle (sēdes); sīmūlare, pretend (sīmīlis); suffōcare, choke, hold under throat (fauces pl.); supplicare, supplicate (supplex); tēnuare, make thin (tenvis); testari, call witnesses (testis); tristari (Sen.), be sad; contristare, sadden (tristis); turpare, be foul (turpis); vīrīdare, make or be green (vīridis); and some others.

(6) From nouns with consonant stems:

961

aggērare, pile up (agger); āriētare, butt (aries); auctiōnari, hold an auction (auctio); auctōrare, guaranty, hire out (auctor); aucūpari, chase after (auceps); augūrari, augur (augur); auspīcari, take omens (auspex); cācūminare, point (cācoumen); cognōminare, surname (cognomen); cōlōrare, colour (color); contiōnari, barangue (contio); crīmīnari, bring a charge (crimen); crūc-i-are, torture (crux, a cross); decōrare, decorate (dēcus); discrīmīnare, distinguish (disorimen); ēqvītare, ride a horse (ēqves); exāmīnare, weigh (exāmen, tongue of balance); exhērēdare, disinherit (exhēres); exūlare, be an exile (exul); exūbērare, overflow (ūber, abundant); fēnērare (also dep.), lend money (fēnus, interest); ferrūminare, solder (ferrūmen); frūtīcare (also dep.), sprout (frutex); fulgūrare, lighten (fulgur); fulmīnare, burl thunderbolts (fulmen); fūnērare, inter (fūnus); fūrari, thieve (fur); gēnērare, beget (gēnus); germīnare (Plin.), bud (germen); glōmērare, gather into a ball (glōmus); glūtīnare, glue (glūten); hiēmāre, spend winter (hiems); hōnōrare, honour (hōnor); hospitari, be a guest (hospes); imāgīnari, picture to oneself

(*imāgo*); *interpretari*, *interpret* (*interpres*); *iudicare*, *judge* (*judex*); *iurare*, *swear* lit. *affirm right* (*iūs*); *laborare*, *labour* (*lābor*); *lapidare*, *stone* (*lāpis*); *laudare*, *praise* (*laus*); *legare*, *appoint formally* (*lex*); *mancipare*, *sell* (*manceps*); *marginare*, *furnish with a rim* (*margo*); *militare*, *serve as a soldier* (*miles*); *moderare*, *regulate* (as if from a stem *modūs*-; comp. *modestus*); *munerare*, *reward* (*munus*); *murmurare*, *murmur* (*murmur*); *nominare*, *name* (*nōmen*); *nutricare*, *suckle* (*nutrix*); *odorare*, *give a smell*, *odorari*, *scent out* (*odor*); *ominari*, *forbode* (*ōmen*); *onerare*, *burden* (*onus*); *operari*, *work* (*opus*); *orare*, *speak* (*os*, *mouth*); *ordinare*, *set in order* (*ordo*); *pauperare*, *make poor* (*pauper*); *pnegare*, *pledge* (*pignus*); *ponderare*, *weigh* (*pondus*); *precari*, *pray* (*prex*); *pulverare*, *bestrew with dust* (*pulvis*); *recordari*, *call to mind* (*cor* n.); *refrigerare*, *make cool again* (*frigus*); *remigare*, *row* (*rēmex*); *roboreare*, *strengthen* (*rōbur*); *rorare*, *drop*, *bedew* (*ros*); *ruminare* (also dep.), *chew the cud* (*rūmen*); *sālūtare*, *greet* (*sālūs*); *scelerare*, *pollute* (*scēlus*); *sēgrēgare*, *separate* (*segregis*); *sēminare*, *sow* (*sēmen*); *spērare*, *hope* (*spēs* § 340 n.); *stercorare*, *dung* (*stercus*); *temporare*, *proportion*, *forbear* (*tempus*); *vādari*, *bind over by bail* (*vas*); *vāporare*, *steam* (*vāpor*); *vēlītari*, *skirmish* (*vēles*); *vēnerari*, *worship* (regard as charming? *vēnus*); *verbērare*, *beat* (*verbēra* pl.); *verminare*, *to have worms* (*vermina* pl.); *vigilare*, *watch* (*vigil*); *ulcerare*, *ulcer* (*ulcus*); *vulnerare*, *wound* (*vulnus*).

-icā *albicare*, *be white* (*albēre*); *candicare* (Plin.), *be whitish* 962 (*candere*); *claudicare*, *be lame* (*claudēre*); *fōdicare*, *dig frequently* (*fōdēre*); *varicare*, *straddle*; *prævaricari*, *act in collusion* (*vāro*-, *crooked*); *vellicare*, *pluck* (*vellēre*).
Comp. § 768.

-t-igā *castigare*, *chastise* (*casto*-); *fastigare*, *bring to a point*; 963 *fātigare*, *tire* (*make to yawn*, *fāti*-, § 803); *vestigare*, *track*. (With this suffix comp. *vectigal*.)

-tā (-sā) As if from same stem as past participles: usually expressing 964 *repeated action*, or *attempt*. In a few cases the simple verb does not exist, or has a different form of past participle. (None are from participles in *-āto*: compare § 965.)

adjūtare, *help* (*adjūvare*); *adventare*, *come continually* (*advēnīre*); *ægrōtare*, *to be sick* (comp. *ægro*-); *affectare*, *aim at* (*afficere*); *amplexari*, *embrace* (*amplecti*); *aptāre*, *fit* (comp. *āpi-sc-i*); *argūtari*, *prate* (*arguere*); *artare*, *compress* (*arcere*); *assentari*, *flatter* (comp. *assentire*); *cantare*, *sing* (*cānere*); *captare*, *catch at* (*cāpere*); *certare*, *strive* (*cernere*); *cessare*, *loiter* (*cēdere*); *citare*, *rouse* (*clere*); *cœptare*, *begin* (*cœpere*); *commentari*, *debate* (*commīnisci*); *conflictare*, *fight* (*configere*); *consultare*, *deliberate* (*consulere*); *crēpītare*,

rattle (crēpāre); cūbitare, *lie frequently* (cūbare); cursare, *run about* (currēre); dātare, *give repeatedly* (dāre); defensare, *defend* (defendēre); delectare, *delight* (dēllicēre, prae-Cic.); dictare, *say frequently* (dicēre); dissertare, *discuss* (dissērēre); dōmitare, *tame* (dōmare); dormitare, *be sleepy* (dormire); dūctare, *lead about* (dūcēre); exercitare, *exercise* (exercēre); fūgitare, *flee habitually* (fūgēre); gestare, *wear* (gērēre); grassari, *attack* (comp. grādī); gustare, *taste* (comp. γεύειν); hābitare, *dwell in* (hābēre); hortari, *exhort* (cf. p. 237); Itare, *go frequently* (Ire); iactare, *toss, boast* (iācēre); labefactare, *overthrow*; lactare, *wee-dle* (lācēre, only in compounds); lapsare, *stumble* (lābi); lātitare, *lie hid* (lātēre); mactare, *slaughter* (comp. mactus, as if from māgēre); mantare (Plaut.), *linger* (manēre); mēritare, *use to earn* (mērēre); mersare (mertare, old, according to Quint.), *dip* (mergēre); mōtare, *move about* (mōvēre); mussare, *mutter* (comp. mūtīre, μύζειν); mūtare, *change* (comp. mōvēre); nātare, *swim* (nāre, § 644); nictare, *wink* (comp. cōnivēre); nixari, *strive* (nīti); nōtare, *note* (noscēre; comp. cognitus); nūtare, *nod* (nuere, only in compounds); occultare, *conceal* (occūlēre); offensare, *strike often*; ostentare, *show off* (ostēndēre); pāvitare, *shake with fear* (pāvēre); pensare, *weigh* (pendēre); plācītare (Plaut. once), *use to please* (plācēre); pollicītari, *make overtures* (pollicēri); portare, *carry* (comp. πορ-εὔειν); pōtare, *drink* (pōtus); prensare, *grasp* (prendēre); pressare, *press* (prēmēre); pulsare (pultare, old, according to Quintil.), *beat* (pellēre); pūtare, *prune, settle, think* (pūtus); qvassare, *shake* (qvātēre); raptare, *snatch* (rāpēre); reptare, *creep often* (rēpēre); responsare, *answer* (respondēre); restitare, *stay behind* (restare); ructare, *belch* (as if from a verb rugēre; comp. ructus); saltare, *dance* (sālīre); scītari, *inquire* (scīre); sectari, *follow* (sēqui, secūtum); spectare, *look* (spēcēre); strēpitare, *rustle* (strēpēre); temptare, *attempt*; territare, *frighten* (terrēre); tortare, *torture* (torqvēre); tractare, *bundle* (trāhēre); tūtari, *protect* (tuēri); versare, *turn about* (vertēre); vexare, *harass* (vēhēre, vectum); vōlūtare, *roll* (volvēre); vōmitare, *vomit often* (vōmēre).

-Itā Usually suffixed to the last consonant of the present stem of another verb; sometimes the *i* may be part of the stem, not of the suffix.

āgitare, *shake* (āgēre); bubulcitari (Pl. Most. 53), *be an ox-driver* (as if from bubulcare); cēnītare, *dine often* (cēnare); clāmītare, *shout repeatedly* (clāmāre); cōgītare, *think* (cōgēre); dēbilitare, *weaken* (dēbilit-, adj.); dūbitare, *doubt* (dūbio-); febr-ic-Itare, *be ill of a fever* (febrī- comp. febrīcūlosus, § 814); flāgītare, *demand*; flūtītare, *float* (flu-ēre); hiētare (prae-Cic.), *yawn frequently* (hiāre); imītari, *imitate*; impēritare, *command* (impērāre); minītari, *threaten repeatedly* (mināri); mōbilitare, *make moveable* (mōbilit-); nēgītare, *deny repeatedly* (nēgāre); nōbilitare, *make famous* (nōbilit-); nōminītare (Lucr.), *name* (nōminare); noscītare, *recognize* (noscēre); palpitare, *throb* (palpāre); pāritare (Plaut.), *make preparations* (pārare); periclit-

tari, *put to the test* (pericūlo-); qværitare, *seek earnestly* (qværere); qværitari, *complain* (qværi); rögitare, *ask eagerly* (rögare); sciscitari, *inquire* (sciscere); tūditans (part.), *beating about* (tundere); venditare, *offer for sale* (vendere); vöcitare, *call often* (vöcare); völitare, *fly about* (völare). Comp. also crëpitare, cübicare, dömitare, exercitare, lätitare, mëritare, pävitare, pläcicare, pollicitari, strëpitare, territare, vömicare, in § 964.

-titä (-sitä) i.e. -ita suffixed to same stem as past participles or ordinary frequentatives.

actitare, *act often* (ägere); cantitare, *sing often* (cantare); cursitare, *run about* (cursare); dëfensitare, *frequently to defend* (defendere); dictitare, *say repeatedly* (dictare); ductitare, *lead* (ductare); emptitare (post-Aug.), *buy up* (ëmere); factitare, *do frequently* (facere); gestitare, *be wont to carry* (gestare); hæsitare, *hesitate* (hæserere); lectitare, *read frequently* (legere); mansitare, *stay* (manere); missitare, *send repeatedly* (mittere); mussitare, *grumble* (mussare); pensitare, *pay habitually*, Cic., *ponder*, Liv., Suet. (pendere); pransitare, *lunch* (prandere); responsitare, *give frequent opinions* (respondere); scriptitare, *write often* (scribere); unctitare, *anoint often* (ungvere); ventitare, *come repeatedly* (venire); victitare, *live* (vivere); visitare, *visit* (videre, visere). So üsitätus (not used in finite verb, except by Gell.), *customary* (üti).

-cīnā comp. § 936. Chiefly from stem in -ōn, with n omitted. 967

halucinari, *dream*; latrocīnari, *practise brigandage* (latrōn-); lënöcīnari, *be a pander* (lënōn-); patröcīnari, *be a patron* (patrōno-); ratiocīnari, *calculate* (rätīōn-); sermöcīnari, *converse* (sermōn-); väticīnari, *foretell* (vätī-).

-ölā } Compare the nouns with suffix -ölo, &c. (§§ 856—867) 968
-ülā }
-illā }

ëj-ülare, *avail, cry* (ëja); gesti-cūlari, *gesticulate* (gestu-); grät-ülari, *congratulate* (gräto-, pleasing); öpi-tūlari, *assist* (öpi-, tūl-; comp. tūli, flātum); pos-tūlare, *demand* (comp. poscere); sor-billare, *sip* (comp. sorbere); strang-ülare, *strangle* (comp. string-ere, στράγγειν); vāpūlare, *be beaten*; viölare, *use force to* (vi-); vitūlare, *sacrifice, keep holiday*; ülūlare, *howl* (probably a reduplicated bowl); ustulare, *singe* (usto-).

-illā cāv-illari, *jest, banter* (cävilla-); conscrib-illare (Cat.), 969
scribble on (scrib-ere); focillare (or focillare), *cherish* (föco-?); furc-illare (?), *toss?* (furca-, furcilla-); obstringillare, *fetter* (obstring-ere); scint-illare, *sparkle* (scintilla-); süg-illare, *beat black and blue*; tit-illare, *tickle*; vāc-illare (vaccillare, Lucr. once), *avaddle, hesitate* (vacca-, a cow).

-trā calci-trare, *kick* (calci-); castrare, *geld* (comp. κάστωρ and Plin. 8. § 109); frustrari, *cheat* (frustra, fraudi-); lātrare, *bark* (comp. λακ-εῖν?); pātrare, *perform* (patr-); pēnē-trare, *penetrate* (pēnūs, store).

Formed from, or parallel to, other verbs; most are compounds: 97

anticipare, *anticipate* (ante, cāpē-re); ap- (com-) -pellare, *address* (pellēre); aspernari, *scorn, spurn* (ab, spernēre); conspīcari, *descri* (conspīcēre); consternare, *dismay* (consternēre); dicare, *dedicate* (dicēre); ēdūcare, *bring up, train* (ēdūcēre); indāgare, *track out* (indo āgēre? indāgōn-); instigare, *goad on* (in, stingvēre); lābare, *slip* (lābi); lāvare, *wash* (lāvēre); liquare, *melt* (liqvēre or liqvi, *be fluid or clear*); mandare, *commit, entrust* (mānu-, dāre); mulcare, *beat* (mulcēre, *stroke*); nuncūpare (nōmine cāpēre? cf. § 997); oc-cūpare, *seize* (ob, cāpēre); pīpare (cf. pīpire), *chirp*; plācare, *pacify* (plācēre, *be pleasing*); rēcūpērare, *recover* (re, cāpēre); sēdare, *settle* (sēdēre, *sit*); suspīcari, *suspect* (suspīcēre).

Miscellaneous: chiefly of obscure origin; many have derivative 98 suffixes similar to noun-stems:

ādūlari, *fawn on* (ad-ūlūlare?); aestimare, *esteem*; altercari, *wrangle*; āmare, *love*; ampliare, *enlarge* (comp. amplo-); ārare, *plough*; auscultare, *listen* (comp. auris, *ear*); autūmare, *affirm*; bālare, *bleat*; baubari, *howl*; beare, *bless*; bētare (bitare), *go* (comp. βαῖνεῖν); blātērare, *bluster* (comp. bālātro, *a jester*); boare, *cry aloud* (comp. βοᾶν); cācare; cālare, *summon* (comp. καλεῖν); cāl-gare, *be in darkness*; cēlare, *conceal* (comp. clam); clāmare, *shout*; cīnare, *bend*; coaxare (Suet.), *croak* (κοάξ); cōnari, *endeavour*; considērare, *consider*; contāminare, *stain* (comp. contāg-iōn-); crē-mare, *burn*; creare, *create*; desidērare, *desire*; dissipare, *dissipate*; dōlare, *heav*; flāgrare, *blaze* (comp. flāre, φλέγειν); formīdare, *dread*; frāgrare, *emit a smell*; friare, *rub* (comp. fricare); hālare, *breathe*; hēluari, *gormandize* (comp. hēluōn-); hiare, *gape*; incō-hare, *commence*; inqvīnare, *defile* (comp. cæno-, *mud*); instaurare, *renew* (comp. instar); invitare, *invite*; irritare, *irritate*; jentare, *breakfast*; jūvare, *assist*; libare, *pour out, take* (comp. libum, *a cake*); ligare, *bind*; litare, *make a favourable sacrifice*; luctāri, *struggle*; lūcūbrare, *work by lamplight*; luxare, *dislocate* (comp. λοξός, *slanting*); mānare, *flow*; mēditari, *meditate*; meare, *go to and fro*; mīgrare, *depart*; mūgīnari, *dally*; narrare, *relate* (gnāro-?); nēgare, *deny* (nec); opsōnari, *purchase provisions* (ὀψωνεῖν); optare, *choose*; optūrare, *stop up*; ornare, *equip*; oscitare, *gape*; pālari, *wander*; pārare, *prepare*; peccare, *sin*; com-, ex-, sup-pīlare, *plunder*; oppīlare, *obstruct*; plōrare, *cry out*; prāstōlari, *wait for*; promulgare, *announce, publish*; prōpīnare, *drink healths* (προπίνειν); rīgare, *water*; rōgare, *ask*; runcare, *boe*; screare (Plaut.), *haw*, *hem*; sōlari, *console*; spīrare, *breathe* (spīra-, *wreath*?); stīpare, *crowd*; sūdare, *sweat*; suffrāgari, *use a potsherd? vote* (suffrāgium);

tāxare, *estimate*; tēmērare, *defile* (comp. tēmēre); tītūbare, *totter*; tōlērare, *endure* (tūll, tollere); trūcīdare, *butcher*; vācare, *be empty*; vēnari, *hunt*; vībrare, *shake*; vītūpērare, *blame*; vītare, *avoid*; vōlare, *fly*; vōrare, *devour*; ūrinari, *dive*.

ii. Verbs with -u stems:

972

ācuēre, *sharpen* (ācus, *needle*); mētūēre, *fear* (mētus); mīnuēre, *lessen* (mīnus, *less*); stātuēre, *determine* (stātus, *position*). The verbs exuēre, *put off*; imbuēre, *dip in*; induēre, *put on*, are apparently derived directly from the prepositions *ex*, *in* (acquiring a parasitical *b* from its following *u*), and *indo*, the old form of *in*. Other verbs with -u stems of obscure origin are named in § 684.

iii. Verbs with -e stems:

973

Three only (uncompounded) have more than one syllable before the -e; misērerī, *have pity*; oportere, *behave*; pēnitere, *repent*.

(1) From adjectives with -o stems:

ægrere, *be sick*; albere, *be white*; calvere, *be bald*; cānere, *be hoary*; clārere, *be bright*; claudere, *be lame*; densēre, *be thick, thicken*; flaccēre, *be flabby*; flāvere, *be yellow*; pigrere, *be lazy*; salvere, *be safe* (? see in Book II. Chap. xxx.).

(2) From substantives with -o stems:

callere, *to have a thick skin, be experienced* (callum); mūcere, *be mouldy* (mūcus).

(3) From nouns with -i stems:

frondere, *have boughs* (frons); lactere, *have milk* (lac); sordere, *be dirty* (sordes pl.); tābere, *waste away* (tabes, also tabum).

(4) From nouns with consonant stems:

flōrere, *be in flower* (flos); lūcere, *be light* (lux).

For other verbs with -e stems see Book II. Chap. xxiii. and xxx. Many appear to be formed directly from roots.

iv. Verbs with -i stems:

974

(1) From substantives with stems in -a or -o:

bullire (also bullare), *bubble* (bulla); condire, *pickle, preserve* (condus, *storekeeper*); mentiri, *tell lies* (make for oneself devices? comp. com-mentum; also mens); mētiri, *measure* (mēta, *goal*); pūnire, *punish* (pōna); servire, *be a slave, serve* (servus).

(2) From adjectives with -o stems:

blandiri, *coax*; ineptire, *be foolish*; insānire, *be insane*; largiri, *give bountifully*; lascivire, *be playful*; lippire, *have sore eyes*; præsāgire, *foretell*; sāvire, *be savage*; sūperbire, *be haughty*.

(3) From nouns with -u stems, the u being absorbed:
gestire, exult (*gestus, a gesture*); *singultire, hiccup, sob*.

(4) From nouns with -i stems:

audire, hear (*auris, ear*; for the interchange of r and d cf. § 160. 10); *dementire, be out of one's mind* (*mens*); *dentire, cut teeth* (*dens*); *effutire, pour out* (*futis, a water-vessel*, according to Varr.); *erudire, instruct* (*rudis, a foil?* or *rudis, rough*); *febrire, have a fever* (*febris*); *finire, put an end to* (*finis*); *grandire, make great* (*grandis*); *hostire, hit?* (*hostis?*); *inanire, empty* (*inānis*); *insignire, mark* (*insignis*); *irretire, ensnare* (*rēte*); *lānire, soften* (*lānis*); *mōliri, exert oneself* (*mōles*); *mollire, soften* (*mollis*); *mūnire, fortify* (*moenia, pl.*); *partire* (usually *partiri*), *part, share* (*pars*); *potire, pōtiri, be master of* (*pōtis*); *rāvire, make oneself boarse* (*rāvis*); *sītire, thirst* (*sītis*); *sortiri, cast lots* (*sors*); *stābīlire, establish* (*stābīlis*); *tussire, cough* (*tussis*); *vestire, clothe* (*vestis*).

(5) From nouns with consonant stems:

custōdire, keep (*custos*); *expēdire, free one's foot* (*pēs*); *fulgūrire* (also *fulgūrare*), *lighten* (*fulgur*).

(6) Of obscure origin:

āmicire, clothe; *āpērire, open* (see *pērio*, Book II. Chap. xxx.); *dormire, sleep*; *farcire, stuff* (comp. *φραγ-, φράσσειν*); *fastīdire, loathe*; *fērire, strike*; *fulcire, prop up*; *glūtire, swallow* (from the sound); *haurire, draw*; *impētrire* (comp. *impetrare*), *obtain, esp. favourable omens*; *ire, go*; *nūtrire, nourish*; *ordiri, commence* (comp. *ord-on-*); *ōriri, arise* (comp. *ὄρ-νυμι*); *pāvire, strike* (comp. *παίειν*); *pōlire, polish*; *rēdīmire, bind*; *sālire, leap* (comp. *ἄλ-λεσθαι*); *san-ctire, sanction*; *sārire, hoe*; *sentire, feel*; *sēpēlire, bury*; *sōpire, put to sleep* (comp. *somnus*); *suffire, fumigate* (cf. § 99); *vēnire, come*; *vincire, bind*.

(7) Verbs expressive of sounds¹:

barrire (Fest.), *roar of elephant* (*barrus, elephant*); *blātire, babble*; *crōcire, croak* (comp. *κρώζειν*); *frītinnire* (Varr.), *twitter*; *gannire, yelp*; *garrire, chatter*; *gingrire* (Fest.), *scream like geese*; *glōcire, cluck*; *grunnire, grunt*; *hinnire, neigh*; *hirrire* (Fest.), *snarl*; *mūgire, low* (comp. *μυκάσθαι*); *muttire, mutter*; *pīpire* (Col., also *pipare*, Varr., *pīpiare* or *pīpulare*, Catull.), *pip, chirp*; *rugire* (Spart.), *roar*; *tinnire, jingle*; *vāgire, wail*.

-ūtī *balbūtire, stammer* (*balbo-*); *cæcutire, be blind* (*cæco-*); 975
frigūtire (*fringuttire*), *twitter, stutter*.

¹ Many others, with various stems, will be found in extracts from later writers in Reifferscheid's *Suetonius*, pp. 247—254, 308—312.

-ūri Usually expressing *desire*; formed as if from the supine: 976

cēnātūrire (Mart.), *be eager for dinner* (cenāre); **emptūrire** (Varr.), *wish to purchase* (ēmēre); **ēsūrire**, *be hungry* (ēdēre); **hābitūrire** (?) *desire to have* (hābēre); **mictūrire** (mīngēre); **mōritūrire** (quoted from Cic.), *wish to die* (mōri); **nuptūrire** (Mart.), *desire to marry* (nūbēre); **pētītūrire** (Cic.), *wish to be a candidate* (pētēre); **proscriptūrire** (Cic. Att. 9. 10. § 6), *be eager for a proscription* (proscribere); **Sullatūrire** (Cic. Att. 9. 10. § 6), *play the part of Sulla*.

-ūri **līgurrīre**, *lick*; **prūrīre**, *itch*; **scalpūrīre** (Plaut. Aul. 464. 977 Wagn.), *scratch* (scalp-ēre); **scātūrīre**, *bubble, gush forth* (scātere).

v. **-sc** Inchoative verbs. The following are formed directly 978 from noun stems. (For other verbs with inchoative suffix see §§ 634—638, 676—680.)

arbōr-esc-ēre (Plin.), *grow into a tree* (arbōs-); **dīte-sc-ere** (Lucr., Hor.), *grow rich* (dītī-); **dulce-sc-ēre** (Cic., Plin.), *grow sweet* (dulci-); **fermente-sc-ere**, *ferment* (fermento-; cf. fermentare); **flamme-sc-ere** (Lucr.), *flame* (flamma-); **gemma-sc-ēre**, *bud*; **gemma-esc-ere** (?) (Plin.), *become a jewel* (gemma-); **grande-sc-ēre** (Lucr.), *grow big* (grandī-); **grāve-sc-ēre**, *grow heavy* (grāvi-); **herbe-sc-ēre** (Cic., in part. pres. only), *grow grassy* (herba-); **ignē-sc-ēre**, *burst into flame, kindle* (igni-); **intēgrascēre** (Ter.), *break out anew* (integro-; comp. integrare, *renew*); **jūvēm-esc-ēre**, *grow young* (jūvēm-); **lāpīd-esc-ēre** (Plin.), *turn to stone* (lāpīd-); **lasse-sc-ēre** (Plin.), *become weary* (lasso-); **mīte-sc-ēre**, *grow mild, mellow* (mītī-); **molle-sc-ēre**, *grow soft* (mollī-); **obbrūte-sc-ere**, *grow brutish* (brūto-); **pingve-sc-ēre**, *grow fat* (pingvi-); **plūme-sc-ēre** (Plin.), *become fledged* (plūma-; comp. plūmātus); **puera-sc-ēre** (Suet., repuērascēre, Cic.), *become a boy* (puēro-, as if from a verb puerāre); **radic-esc-ēre** (Sen.), *put forth roots* (rādīc-); **rāre-sc-ēre**, *grow thin* (rāro-); **repulle-sc-ēre** (Col.), *sprout forth* (pullo-); **rōr-esc-ēre** (Ov.), *dissolve with dew* (rōs-); **rūfe-sc-ēre** (Plin.), *become red* (rūfo-); **silve-sc-ēre**, *become woody* (silva-); **spisse-sc-ēre**, *become thick* (spisso-); **stērīle-sc-ēre** (Plin.), *become barren* (stērīlī-); **tēnēre-sc-ēre** (Cels., Plin.; tēnērascere, Lucr.), *grow tender* (tēnēro-); **viv-esc-ēre** (Lucr.), *grow lively* (vīvo-); **ūve-sc-ere**, *grow moist* (comp. ūvīdus).

-ss (-ssī) e.g. arcesso, &c. See § 625.

CHAPTER XI.

COMPOSITION.

NEW words may be formed not merely by the addition of ⁹⁷⁹ a derivative suffix, but by the junction of two or more separately intelligible words into one. This is called *composition*. The distinctive features of two words being compounded are the loss of their separate accents, and the possession of but one set of inflexions.

Any two words in syntactical connexion may, if the meaning be suitable, be the base of a new compound word. So long as the two words each retain their own proper inflexion or use, however frequently they may be used together, they are not a proper compound; e.g. *rem gerere*, *res gestæ*, &c.

Such habitual combinations are called *spurious compounds*, and are often marked by the fixing of a particular order for the words, though such order is not absolutely prescribed by general principles; e.g. *pater familias*, *jus jurandum*, *respublica*, *accepti ratio*, &c. (cf. § 1042).

Compounds are distinguishable from a mere juxtaposition of ⁹⁸⁰ the simple words of which they are or might appear to be composed,

either (*a*) by the two words not being used together as simple words, e.g. *ēdūrus*, *subsimilis*, *cisrhēnānus*, *proāvus*, *quinqvevir*;

or (*b*) by one or both not being used at all independently, e.g. *dissimilis*, *vēsanus*;

or (*c*) by one or both losing their proper inflexions or terminations, e.g. *arcitenens*, *malevolus*, *tridens*, *caprificus*;

or (*d*) by a vowel being changed or omitted owing to the two words being brought under one accent, e.g. *Diespiter*, *duodecim*;

or (*e*) by the meaning of the compound being different or more than the meaning of the two words, e.g. *supercilium*, *the eyebrow*; but *super cillum*, *above the eyelid*; *conclāve*, *a chamber*.

The precise form which the compound word assumes is not ⁹⁸¹ determined by the previous connexion, but mainly by the class (verb, adjective, substantive, &c.) to which it is to belong; and, subordinately to that, by the same causes (known or unknown) which occasion the selection of particular suffixes of declension or derivation. To us the particular form thus appears to be frequently

a matter of caprice. There is, however, a tendency for the compound word to take a similar form to the second of the component words.

The combination is always a combination of *stems* or *roots* (sometimes *clipt*); and the resulting compound, even where it exhibits similar inflexional or derivative suffixes to those of one of the simple words, may most truly be supposed not to have retained such suffixes but to have reproduced them; e.g. **palmi-pes** is a compound from the stems **palma-**, **ped-**, and has received the simple inflexions (i.e. nominative suffix) of the second class of nouns, just as the stem **ped-** itself has.

But a verb or adjective, compounded with a preposition used absolutely (§ 984), retains the form of the simple stem: a verb compounded of two words in proper syntactical relation with each other takes an **a** stem.

So far as the inflexional or derivative suffix is concerned, compound words have been already included in the lists in this and the previous book. Here they will be classified and enumerated (or selections made) according to the variety of the elements of which they are composed, and the nature of the connexion.

i. SPURIOUS COMPOUNDS. The following are the combinations⁹⁸² which, from the fixity of their use, appear most nearly to approach proper compounds.

1. Verbs: (a) **animum advertere** (or **animadvertere**), *to take notice*; **fidei committere**, *to entrust*; **fideicommissa**, *trusts*; **fidei iurare**, *to bid a person do a thing on your guaranty*; **fidei iussor**, *a (person as) security*; **pessum dare**, *to send to the bottom* (comp. **pessum ire**, **abire**, **premère**); **venum ire**, *to be sold*, **venum dare**, *to sell* (but **venire**, **vendere** as compounds proper); **usucapere**, *acquire by use*.

licet, *off! at once* (**ire licet**); **scilicet**, *let me tell you* (**scire licet**); **videlicet**, *you may see = that is to say* (**videre licet**), where the **re** has dropt off by its similarity to **li**, § 28.

(b) The dissyllabic prepositions appear often to form with verbs only improper compounds; e.g. **circum dare**, *to throw around*, appears to be in meaning a proper compound in **urbem circum dare muro**; an improper one in **urbi circum dare murum**.

Similarly **retroagere**, **retrogradi**, &c.; **benefacere**, **maledicere**, **satisfacere**, **palamfacere**, **palamferi**.

Compare also **inque pediri**, **jacere indu**, **inque gravescunt** (*Lucr.*), and the use of **per**, § 986, p. 384.

2. Nouns:

(a) Doubled adjective:

altĕrŭter, one of two; *quisquis*, *whosoever*; *quōtusquisque*, *how many*.

(Comp. the adverbs: *quamquam*, *utut*, *although*, *however*.)

tertius decimus, *quartus decimus*, and other compound numerals. So *lex quina vicensaria*, *law relating to age of twenty-five*.

(b) Adjective + substantive: *jusjurandum*, *an oath* (lit. *a swearing one's right*); *res gestæ*, *exploits*; *res publica*, *the common weal*; *ros marinus* (*ros maris* Ov.) *rosemary* (*sea-dew*).

(c) Genitive + substantive: *accepti* (*expensi*) *latio*, *entering in book as received (expended)*; *agricultura*, *farming*; *aquæductus*, *a water-course*; *argentifodinæ*, *silver mines*; *ludimagister*, *a school-master*; *paterfamilias*, *materfamilias*, *filiusfamilias*, &c. *a father*, &c. *of a household*; *plēbiscitum*, *a commons' resolution*; *senatusconsultum*, *a senate's decree*. So *jurisconsultus*, *one skilled in the law*.

(d) Genitive + adjective: e.g. *verisimilis*, *likely* (*like the truth*).

(e) Oblique case and participle; e.g. *dicto audiens*, *obedient*.

(f) Two parallel substantives: e.g. *usufructus*, *the use and enjoyment*. So perhaps *pactum conventum*, *a bargain and covenant* (or *a covenanted bargain?*).

(g) Adverb + participle: e.g. *græveōlens*, *strong-smelling*; *suaveolens*, *sweet-smelling*.

Similarly *pænisula*, *an almost-island* (comp. *duos prope Hannibales in Italia esse*. L. 27. 44).

3. Adverbs: e.g. *sæpenumero*, *often in number*; *tantummodo*, *only* (lit. *so much in measure*); *hactenus* (§ 509), *thus far*; *quamlibet*, *quamvis*, &c.

itaque, *therefore*; *etĕnim*, *in fact*, &c. have each but one accent (cf. §§ 297, 298): *magnopere*, *greatly*; *prorsus* (§ 512), *utterly*, &c. have been contracted: *siquidem*, *nisi*, *quāsi* (§ 524), &c. have had the first vowel modified. So *nudius tertius* (*quartus*, &c.), *the day (two days) before yesterday*, is a contracted sentence (*nunc dies tertius est*). *Multimodis*, *mirimodis* = *multismodis*, &c. *Lucr.* has also *omnimodis*. (Cf. *Cic. Or.* 45.)

ii. COMPOUNDS of prepositions used absolutely, or of inseparable particles.

Such compounds are some verbs and some nouns.

1. Verbs:

(a) Common with prepositions; e.g. *dissolvere*, *advenire*, &c.

(b) With inseparable particles: **amb, dis, por, red (re), sed (se).**

e.g. **ambire, dissolvere, porrigere, resolvere, sevocare, &c.**

[As the differences turn chiefly on the import of the prepositions and particles, instances are reserved for the Appendix to Syntax.]

(c) Rarely with negatives; viz. **in, ne; ignoscere, not recognize, pardon; nequire, be unable; nescire, be ignorant; nolle, be unwilling.** With gerundive: **in-, ne-fandus, unspeakable.** For participles see § 986

2. Nouns: containing either a verbal or nominal stem.

985

(A) Containing a verbal stem, but not being ordinary derivatives from compound verbs:

advēna, a stranger (advenire); acclinis, leaning against (comp. κλίνειν); accōla, neighbour (cōlere).

ambāges, roundabout ways (āg-ēre).

anteambulo (post-Aug.), a forerunner (ambulare).

convēnæ (pl.), assembled strollers (convēnire); convīva, a guest (con, vivere).

in not: inēdia, fasting (ēd-ēre); innūbus, unmarried (nub-, nūbēre); inscius, insciens, ignorant (scire).

at: invidus, envious (vid-ēre).

indo in, on: incus, an anvil (cūdere); indigēna, a native (gēn-, gignere); indōles, growth, temper (ōle-scere); industria, industry (struere).

inter between: internuntius, a go-between (nōvo-, vēnire); interpolis, smoothed out, furbished up (pōlire); intertrimen-tum, waste in making (tērere); perhaps also interpres, a broker, interpreter.

nec (ne) not: necōpinus, unexpected (opīnārī); nefastus, forbidden?; nefrens, not biting (tendēre); nescius, ignorant (scire).

obex, a bolt (jācē-re).

perfīca (Lucr.), a finisher (fācere); perfūga, a deserter (fūgē-re).

præcōqvus, præcox, early, ripe, precocious (cōqvēre); præfīca, a woman mourner (præfācere, perform in front?); præscius, fore-knowing; præsul, cf. § 874.

prōfūgus, flying (profūgēre); prōnūba (veil beforeband?), brides-maid (nūbēre); prōvidus, foreseeing (vid-ere).

rēdvīvus (? see § 763); reflūus, flowing back (fluere); rēfūga (Dig.), a runaway (rēfūgē-re).

sūbōles (sōbōles), growth, stock (ōle-sc-ēre).

transfūga, a deserter (fūgē-re).

(B) Containing a nominal stem:

986

- ab** *ābāvus*, a (distant, i.e.) great grandfather; *abnēpos*, &c.
ad *adnēpos*, a great-great-great grandson; so also *at-avus* (?);
aduncus, bent forwards (*unco-*).
amb *on both sides*; *anceps*, double-beaded, doubtful (*cāpūt-*).
com *together*; with adjective stems, also *completely*:

(1) From adjectives: *cognatus*, united by birth; *compar*, well matched; *compascuus*, for common pasturage; *complūres* (pl.), several together; *concāvus*, hollow; *condensus*, very dense; *condignus*, quite worthy.

(2) From substantives: (a) adjectives: *cognōmīnis*, of like name; *commanipularis*, in the same company (*manipūlo-*); *commūnis*, having common functions, common; *compos*, having complete mastery (*pōtī-*); *concolor*, of the same colour; *concors*, of the same mind (*cordi-*); *confinis*, having common borders; *confrāgosus*, broken; *consanguineus*, of the same blood (*sangvēn-*); *consōnus*, sounding in unison; *consors*, having a common lot (*sorti-*); *conterminus*, having common bounds; *cōpis*, having complete resources; *cōpia*, plenty (*ōpi-*).

(b) Substantives: *cohēres*, a fellow heir (*hērēd-*); *collēga*, a fellow by law; *collēgium*, a body formed under same law; *compes*, a shackle for the feet (*pēd-*); *compluvium*, a cistern to collect rain-water (*plūvia-*); *condiscipulus*, a schoolmate; *congerro*, a companion in tricks (*gera-*); *conjux*, one united in marriage (yoke fellow, *jūgo-*); *conservus*, a fellow slave; *consobrinus*, a child of two sisters (*sōrōr-*); *consōcer*, a joint father in law; *consponsor*, a joint surety; *contubernalis*, a companion, *contubernium*, companionship in a shop or hut (*tāberna*); *convallis*, a close valley; *cūria*, cf. § 94. 2.

So the adverbs: *commīnus*, lit. bands together, at close quarters; *ēmīnus*, bands off, i.e. at a distance.

- de** As negative: *dēbīlis*, weak (*hābīlis*);
down, e.g. *declivis*, sloping downwards, but cf. § 990 (*clivo-*); *delumbis*, stooping in the loins? weak (*lumbo-*);
deparcus (Nero ap. Suet.), excessively stingy;
off, e.g. *deunx*, an ounce off an as, i.e. eleven-twelfths (*uncia-*).

- dis** *in two, divided*, or as negative: (a) from adjectives: *difficilis*, difficult; *dimidius*, half (*mēdio-*); *dispar*, ill-matched; *dissimilis*, unlike.

(b) From substantives: *discolor*, of various colours (*cōlōr-*); *discors*, discordant (*cordi-*); *dissonus*, out of tune (*sōno-*).

8 (a) With adjectives, *exceedingly*: *edūrus*, *very hard*; *effērus*, *very wild*; *ēlixus*, *sodden* (*laxo-*).

(b) With substantives, *off*; hence = *without*: *effrēnare*, *to unbridle*; *effrēnus*, *unbridled* (*freno-*); *ēgelli-dus*, *with the chill off* (*gelu-*, not compound of *gelidus*); *elingvis*, *tongueless* (*lingva-*); *exānimis*, *lifeless* (*anima-*); *excors*, *senseless* (*cordi-*); *exhēres*, *disinherited* (*hērēd-*); *exlex*, *lawless* (*lēg-*); *exsangvis*, *bloodless* (*sanguēn-*); *exsominis*, *sleepless* (*somno-*); *exsors*, *without lot* (*sorti-*); *exspes*, *hopeless* (*spe-*); *exsucus* (Quint.), *juiceless* (*sūco-*). Compare its use with verbs in App. to Syntax.

in *un-* = *not*: adjectives (and thence derived substantives):

(a) from existing adjectives and participles: *ignāvus*, *inactive*; *ignārus*, *ignorant*; *ignōbilis*, *unrenowned*; *illēpidus*, *disagreeable*; *illibēralis*, *ungentlemanly*; *illicitus*, *unlawful*; *illitēratu*, *illiterate*; *illōtus*, *unwashed*; *immansvētus*, *untamed*; *immātūrus*, *unripe*; *immēdicabilis*, *incurable*; *immēmōr*, *unmindful*; *immēmōrābilis*, *indescribable*; *immēmōratus*, *unmentioned*; *immensus*, *measureless*; *immērens*, *undeserving*; *immēritus*, *undeserved*; *immisēricors*, *pitiless*; *impēritus*, *unskilled*, *impēritia*, *unskilfulness*; *impius*, *impious*; *impos*, *powerless* (*pōti-*); *inauditus*, *unheard*; *incōduus*, *uncut*; *incognitus*, *unknown*; *incōlūmis*, *unhurt* (comp. *-cellere*, *strike*); *incrēdibilis*, *incredible*; *indēcōrus*, *unbecoming* (*dēcōr-*); *indēfessus*, *unwearied*; *indignus*, *unworthy*; *ineptus*, *without tact*; *infandus*, (cf. 984 c); *inhābilis*, *unmanageable*; *inhospitalis*, *inhospitable*; *inimicus*, *unfriendly*; *inīqvus*, *unequal, unfair* (*aeqvo-*); *insulsus*, *insipid* (*salso-*); *intempestivus*, *unseasonable*; *intestātus*, *that has made no will*; *invērēcundus*, *unblushing*; *irritus*, *in vain* (*rāto-*); and many others.

(b) From substantives: *ignōmīnia*, *disgrace* (*gnōmēn-*); *imbellis*, *unwarlike* (*bello-*); *imberbis*, *beardless* (*barba-*); *immunis*, *without charge* (*mūn-ūs-*); *implūmis*, *featherless* (*pluma-*); *inānimis*, *lifeless* (*anima-*); *incūria*, *want of care* (*cura-*); *indemnīs* (post-Aug.), *without loss* (*damno-*); *inermis*, *unarmed* (*armo-*); *iners*, *unskilled, sluggish* (*arti-*); *infāmis*, *of ill-report* (*fama-*); *informis*, *formless* (*forma-*); *infrēnis*, *bridleless* (*frēno-*); *ingens*, *not of the class? huge* (*genti-*); *inglōrius*, *without glory* (*gloria-*); *inhospitū*, *inhospitable* (*hospēt-*); *injūria*, *wrongful conduct*, *injūrius* (rare), *wrongful* (*jūs-*); *innūmērus*, *numberless* (*nūmēro-*); *inops*, *helpless* (*ōpi-*); *insominis*, *sleepless* (*somno-*); *inivus*, *roadless* (*via-*); and others.

in *on*: *insignis*, *with a stamp on, distinguished* (*sign-*).

nē *not*: *nēfas*, *wickedness* (*fas*); *nēgōtium*, *business* (*otium*); *nēmo*, *none* (*hōmōn-*); *nullus*, *not any* (*ullo-*).

ob *over*: *obliqvus*, *aslant* (*bent over*, cf. § 772); *obscūrus*, *shadowed over* (comp. *σκότος, σκιά*); *obstipus*, *bent over*; *obuncus*, *curved over*; *occipitium* (*occiput*, Pers.), *the top or back head*. Perhaps *obscēnus*, *inauspicious, foul*; *oblongus*, *longish*, belong to this class.

per *thoroughly*: with all kinds of adjectives: **perabsurdus**, **peraccommodatus** (*per fore accommodatum tibi*, C. Fam. 3. 5. 3), **peracer**, **peracerbus**, **peracutus**, **peradulescens**, **peramplus**, **perangustus**, **perbonus**, **percontumax** (Ter.), **perelegans**, **perexignus**, **perfacetus**, **perfacilis**, **pergratus**, **pergravis**, **perhonorificus**, **perhumānus**, **peridoneus**, **perinsignis**, **perjucundus**, **permagnus**, **permirus** (*per mihi mirum visum est*, Cic.); **permōdestus**, **permultus**, **peropportunus**, **perparvus**, **perpropinquus**, **perpulcher** (Ter.), **perrarus**, **perstudiosus**, **persubtilis**, **perstinax** (tēnax), **perurbanus**, **pervētus**, and many others. Similarly **peropus** (Ter.), *very necessary*.

through: **pervius**, *with a way through*.

prae (1) *very*: from adjectives, but few used before Augustan age: **praealtus**, **praealidus** (Tac.), **praeclarus**, **praedensus** (Plin.), **praedives**, **praedulcis**, **praedurus**, **praeferox**, **praefervidus**, **praefidens** (Cic.), **praegellidus**, **praegrandis**, **praegravis**, **praelongus**, **praeproperus** (Cic.), *over hasty*; **praerapidus** (Sen., Sil.), **praetēnvis**, **praetrepidus**, *in a great flurry*; **praevalidus**, and others.

(2) *before*: (a) from adjectives: **praecānus** (Hor.), *prematurely* (or *very*?) *gray*; **praemāturus**, *ripe before the time*; **praenuntius**, *foretelling*; **praepilatus**, *tipped with a ball in front*; **praeposterus** (Cic.), *behind before, reversed*; **praesagus**, *foretelling*.

(b) From substantives: **praiceps**, *headlong* (for **praecipitis**); **praenomen**, *the commencing name* (nōmēn-); **praesaepe**, *an enclosure* (saepi-); **praesignis**, *distinguished* (signo-); **praevis**, *on the way in front* (via-).

pro *forwards*: **proavus**, *a great grandfather*; **procerus**, *tall*; **proclivis**, *sloping forwards*; **procurvus**, *curved forwards*; **profundus**, *pouring forth? deep*; **progēner**, *a grandson-in-law*; **prolixus**, *stretched out* (laxo-); **promulsis**, *a preliminary mead-drinking*, the first course (mulso-); **promūtus**, *lent in advance*; **pronēpos**, *a great grandson*; **propalam** (adv.), *publicly, open in front?* **propātulus**, *open in front*; **protelum**, *a team* (lengthened web?); **protervus**, *forward in manner, saucy*; **protēnus** or **protinus** (adv.), *forthwith*.

re *back*: **rebellis**, *insurgent* (bello-); **reclinis**, *leaning back*; **recurvus**, *curved back* (curvo-); **reduncus**, *booked back* (unco-); **remōra**, *delay* (mōra-); **repandus**, *turned backwards* (pando-); **resimus**, *turned up* (simo-); **resonus**, *resounding* (sono-); **resupinus**, *lying on one's back* (supino).

sub (a) *slightly*: from adjectives: **subabsurdus**, **subagrestis**, **subalbidus** (post-Aug.), **subamārus**, **subcandidus**, **subcrispus**, **suberūdus**, **subdifficilis**, **subdulcis** (Plin.), **subdurus**, **subflāvus** (Suet.), **subfuscus**, **subgrandis**, **subhorridus**, **subimpudens**,

subinānis, **sublivīdus** (Cels.), **submōlestus**, **submōrōsus**, **subniger**, **subnūbīlus**, **subobscūrus**, **subpallīdus** (Cels.), **subpar**, **subrancīdus**, **subraucus**, **subridīcūlus**, **subruber**, **subrubicundus** (post-Aug.), **subrūfus**, **subrusticus**, **subrūtīlus** (Plin.), **subsīmīlis** (Cels.), **subtristis**, **subturpicūlus**, **subturpis**, and some others.

(b) *beneath*: **subcāvus**, *hollow underneath*; **sublāmīna** (Cato), *an underplate*.

(c) *inferior*: **subcentūrio**, *an under-centurion*; **subcustos**, *an under-keeper*; **subprōmus**, *an under-butler*; **subvādes** (old word), *under-sureties*. So Plautus coins **Sub-Ballio** from the name of a man.

sūper *above, exceedingly*: **superfīcies**, *the surface* (**facie-**); **super-vācāneus**, **sūpervācuus**, *superfluous*.

ve *bad*: **vēcors**, *foolish* (**cordi-**); **vēgrandis**, *small*; **vēmēns** (**vēhēmēns**), *violent* (**mentī-**); **vēpallīdus** (Hor.), *very pale*; **vēsānus**, *not sane*.

iii. Compounds of words in regular syntactical relation to each other. 97

(A) Attribute+substantive: (a) numeral+substantive:

bicēssis, *a twenty-as* (**bi-**, **decussi-**, or **viginti**, **assi-**); **bicōlor**, *of two colours*; **bicornis**, *with two horns* (**cornu-**); **bicorpor** (rare), *with two bodies*; **bīdens**, *with two teeth* (**denti-**); **bīduus**, *for two days* (**die-**); **biennis**, *lasting for two years*; hence **biennium** (**anno-**); **bīfōris**, *with two doors* (**fori-**); **biformis**, *with two shapes* (**forma-**); **bīfrons**, *with two fronts* (**fronti-**); **bīfurcus**, *with two forks* (**furca-**); **bīga**, *a two-yoke chariot* (**jūgo-**); **bīgēner**, *from two stocks* (**gēnus-**); **bījūgis**, *yoked two together* (**jūgo-**); **bīlībris**, *weighing two pounds* (**librā-**); **bīlingvis**, *with two tongues* (**lingva-**); **bīmāris**, *on two seas* (**māri-**); **bīmestris**, *for two months* (**mens-**); **bīmus**, *two years old* (**hiem-**); **bīpalmis**, *two spans in measure* (**palma-**); **bīpēdālis**, *two foot in measure* (**pēd-**); **bīpennis**, *a two-edged axe* (**penna-**); **bīpes**, *with two feet*; **bīrēmīs**, *with two oars* (**rēmo-**); **bīsulcus**, *forked* (**sulco-**); **bīvius**, *with two roads* (**via-**); and others with **bi-**.

centīmānus, *hundred-handed* (**manu-**); **centumvīrālis**, *of the hundred men* (**vīro-**); **centuplex**, *hundred-fold*; **centūria**, *a company of a hundred* (**vīro-**? cf. § 94. 2); **centussis**, *of a hundred asses* (**assi-**).

dēcempēda, *a ten foot rod* (**pēd-**); **decemscālmus** (Cic.), *ten-tholed* (**σκαλμός**); **dēcennīs**, *for ten years* (**anno-**); **dēcussis**, (1) *a cross*, (2) *a ten-as piece* (**assi-**).

ducenti (pl.), *two hundred* (**centum**); **dūcēni**, **dūcenties**, &c.; **dūplex**, *with two folds* (comp. **plicāre**); **dupondius**, *two pound piece* or *sum* (**pondo-**); **duumvir**, **duovir**, apparently formed forgetfully from some such expression as **duumvirum collegium**.

nundinæ (pl.), *the ninth day*, i.e. *market day* (**novem, die-**).

primævus, *in early age* (**ævo-**); **primigēnius**, *of the first stock* (**gēnus-**); **primipilus**, *a captain of the first pike* (**pilo-**).

quadragēnarius, *consisting of forty* (see § 942); **quadragēni**, *forty each*; **quadragesimus**, *fortieth*; **quadrangulus**, *four-cornered* (**angulo-**); **quadrigæ** (pl., also **quadrīga** sing.), *a four-horse chariot* (**jūgo-**); **quadrījūgus** (**quadrījugis**), *four-yoked*; **quadrimestris**, *four months* (**mens-**); **quadrīmus**, **quadrīmulus**, *four years old* (**hiēm-**); **quadrīngeni** (pl.), *four hundred each*; **quadrīngenti**, *four hundred* (**centum**, cf. § 794); **quadrūpēdāns**, *going on four feet* (**pēd-**); **quadrūplex**, *fourfold* (**plic-**, cf. **quadruplus**, § 860); and others similar to the compounds with **bi-**.

quincunx, *five-twelfths* (**uncia-**); **quīncuplex**, *five-fold* (**plic-āre**); **quīnquefolium**, *cinquefoil* (**folio-**); **quīnquennialis**, *happening every five years* (**anno-**); **quīnquennis**, *five years old* (**anno-**); **quīnquevir**, *one of five commissioners* (cf. **duumvir**); and some others.

quōtidianus, *daily* (**quōti, die**).

sembella, *a half-pound* (**sēmi, libella-**, Varr. *L.L.* 5. 174); **semjādāpertus**, *half-opened*; **semīambustus**, *half-burnt*; **semjānīmus** (**semjānīmis**), *half-alive* (**ānīma-**); **semībarbarus**, *half-barbarous*; **semībos**, *half an ox*; **semīcaper**, *half a goat*; **semīcirculus** (Cels.), *a half-circle*; **semīcoctus**, *half-cooked*; **semīdeus**, *a demigod*; **semjermus** (**semjermis**), *half-armed* (**armo-**); **sēmīfer**, *half-beast*; **semīGermanus**, *half-German*; **semīhians**, *half-open*; **semīhōmo**, *half a man*; **semīhora**, *a half-hour*; **semīlixa**, *half-suttler*; **semīmas**, *half a male*; **semīnec-** (no nom.), *half-dead*; **semīnūdus**, *half-naked*; **semīpēdalis**, *a half-foot in measure*; **semīpes**, *a half-foot*; **semīplēnus**, *half-full*; **semīrūtus**, *half-pulled down*; **semīsēnex**, *an oldish man*; **semīsomnus**, *half-asleep*; **semījustus**, *half-burnt*; **semīvir**, *half a man*; **semīvīvus**, *half-alive*; **semūncia**, *a half-ounce*; **sestertius**, *containing two and (the third) a half* (**semis tertius**).

septemgeminus, *sevenfold*; **septentrio**, *the constellation of the seven stars?* i.e. *Great Bear* (cf. § 852); **septimontium**, *the group of seven hills* (**monti-**); **septuennis**, *seven years old* (**anno**); **septunx**, *seven-twelfths* (**uncia-**).

sescuncia, *one and a half ounces*; **sesquihora**, *one hour and a half*; **sesquivilbra**, *a pound and a half*; **sesquimensis**, *one month and a half*; **sesquimodius**, *a peck and a half*; **sesquioctavus**, *of a thing containing a whole and an eighth*; **sesquipedalis**, *a foot and a half in measure*; **sesquipes**, *a foot and a half*; **sesquiplāga** (Tac.), *a stroke and*

a half; *sesquiple*x, *once and a half* (cf. *plic-äre*); *sesquiter*tius, *containing four-thirds*.

Sedigitus, *six-fingered*, a proper name; *sevir* (*sexvir*), *one of six commissioners*; *sexangulus*, *hexagonal*; *sexcenti*, *six hundred* (*centum*); *sexcentoplä*gus (Plaut.), *a six-hundred-stripe man*; *sextadeci*marius, *of the sixteenth legion* (*sextadecima*).

teruncius, *a three-ounce*, i.e. $\frac{1}{4}$ of an as (*uncia-*); *tressis*, *a three-as* (*tri-*, *assi-*); *triceps*, *with three heads* (*caput-*); *tricuspis*, *with three points* (*cuspid-*); *tridens*, *with three teeth* (*denti-*); *trifaux*, *having three throats* (*fauci-*); *trifillis* (Mart.), *with three threads* (*filo-*); *trigëmin*us, *tergemin*us, *born three at a birth*; *trigemm*is, *with three buds* (*gemma-*); *trilingvis*, *triple-tongued* (*lingva-*); *trilix*, *triple-twilled* (comp. *lic-ium*); *trinoctium*, *a space of three nights* (*nocti-*); *triplex*, *threefold*; *tripä*dium, *a thrice stamping* (*tri-*, *päd-*?); *triquetr*us, *three-cornered* (comp. *quat-tuor*, *quadra*); *triumviri* or *tresviri* (also *triumvir*, sing. Suet.), *a board of three*; and others similar to the compounds with *bi-*.

*unänim*us, *of one mind* (*änimo-*); *unicaulis* (Plin.), *with one stalk* (*caulis-*); *unicö*lor, *self-coloured* (*cölor-*); *unimän*us, *one-handed* (*mänu-*); *univ*ersus, *all together* (*in one row*, *versu-*?).

(b) Ordinary adjective+substantive:

588

æqvilibris, *of equal balance* (*libra-*); *æqvæv*us, *contemporary* (*ævo-*); *Ahënö*barbus, *Bronzebeard*, name of family in Domitian clan; *ähë*nipes, *bronze*foot (*päd-*); *æqvänim*itas (Ter.), *equanimity* (*animo-*); *æqvinoctium*, *a time when nights are equal to days* (*nocti-*); *ällqvis*, *some* (lit. *an other one*); *angusticlä*vius (Suet.), *with a narrow border* (*clavo-*).

*celë*ripes (Cic.), *swift-footed*; *flexi*pes, *with curling foot* (*flexo-*); *plän*ipes, *with flat foot* (*pläno-*); *sö*lidipes, *solid-hoofed* (of horses); *tardi*pes, *slow-footed*.

*falsipä*rens (Catull.), *having a false father* (*falso-*, *parenti-*); *flexänim*us, *causing a bent soul*, i.e. *soul swaying* (*flexo-*); *grandæv*us, *of great age* (*grandi-*, *ævo-*); *grandiscä*pius (Sen.), *big-stemmed* (*grandi-*, *scäpo-*); *läticlä*vius, *with a broad border*; *lëv*isomnus (Lucr.), *light-sleeping* (*lëvi-*, *somno-*); *longæv*us, *long-lived*; *magnänim*us, *high-souled* (*animo-*); *mediastin*us, *a mid-city dweller* (*mëdio-*, *αστυ-*); *mediterrä*neus, *midland* (*terra-*); *meridies*, *noon* (*medio-*? or *mero-*? Cf. § 160, 10); *misër*icors, *pitiful* (*misero-*, *cord-*).

*multicäv*us, *with many hollows* (*cävo-*); *multiform*is, *with many shapes* (*forma-*); *multifër*us (Ov.), *many-holed* (*föro-*); *multigën*us (with -o stem, Lucr.); *multigë*ner (? no nom. is found of this consonant stem: Plaut.), *of many sorts* (*gënüs-*); *multijug*us, *many-teamed* (*jügo-*); *multimö*duS, *in many ways* (*mödo-*); *multi*plex, *manifold* (*plic-äre*).

nasturtium (*nose-racked*), **cress** (**nāso-**, **torto-**, cf. 110. 2); **plēnlūnium**, *the time of full moon* (**plena-**, **lūna-**); **privilēgium**, *an individual law*, i.e. a law against an individual (**priva-**, **lēg-**); **soliferreum** (Liv.), *a javelin all of iron* (**solo-**, **ferro-**); **sollera**, *skilful* (**sōllo-**, **arti-**); **versicōlor**, *with changed colour* (**cōlōr-**); **versipellis**, *with changed skin* (**pelli-**); **vivirādix**, *a quickset* (**rādix-**).

(c) Substantive + substantive:

97

The first substantive is used as attributive:

seripes, *bronze-footed* (**æs-**). So also **alipes** (**ala-**), **angvipes** (**angvi-**), **cornipes** (**cornu-**), **palmipes** (**palma-**), **sōnipes**, *with clattering foot* (**sōno-**).

angvimanus, *snake-banded*; **auricōrnus**, *golden-haired*.

caprificus, *goat-fig*; **capricornus**, *goat-horned*; **ignicolor**, *fire-coloured*; **juglans**, *a walnut* (*Jove's acorn?* **Jov-**, **glandi-**, Varr. L. L. 5. 102); **manupretium**, *cost of handiwork*; **rūpicapra**, *a rock-goat*, i.e. a chamois; **tauriformis**, *bull-shaped*. Perhaps here belongs **regifugium**, § 992.

Diespiter, *Father Day* (**pater**); **Juppiter**, *Father Jove* (**Jou-**, **pāter**).

B. Preposition + substantive:

99

amanuensis (Suet.), *a secretary* (**a manu**); **abnormis**, *irregular* (**ab norma**); **abōrigines**, *the primitive inhabitants* (**ab origine**); **absonus**, *out of tune* (**ab sono**); **abstēmius**, *temperate* (**abs temo?** = **temēto?** or for **abstemētius?**); **absurdus**, *out of tune* (cf. § 816. I. c); **āvius**, *out of the road* (**a viā**).

acclivis, *uphill* (**ad clivum**), or *sloping upwards*, § 986; **accūsāre**, *to call to account* (**ad causam**); **adæqvāre**, *to bring to a level* (**ad æqvum**); **aggregare**, *attach* (**ad gregem**); **adminiculum**, *a prop* (**ad mānum**); **adumbrare**, *to sketch in outline* (**ad umbram**, *draw by the shadow*); **adverbium**, *a word qualifying a verb* (**ad verbum**); **affinis**, *a relation by marriage*, lit. *a neighbour* (**ad fines**); **agnōmen**, *an addition to the name* (**ad nomen**); **apprime** (adv.), *up to the first* (**ad primos**).

ambarvales (Fest.), *of going round the fields*; **amburbialis** (Fest.), *of going round the city*; **amsөгөtes** (Fest.), *round the crops?*

antēlūcānus, *before daybreak* (**ante lucem**); **antemeridianus**, *before noon* (**ante meridiem**); **antēpīlani** (pl.), *in front of the pikes* (**ante pīla**); **antesignani** (pl.), *in front of the standards* (**ante signa**).

circumfōrāneus, round the forum (*circum forum*); **cis-Alpinus**, on this (Roman) side the Alps (*cis Alpes*); **cis-Rhēnanus**, on this side the Rhine (*cis Rhēnum*); **commōdus**, with full measure (*com mōdo*); **conclāve**, a lock-up room (*com clāve*).

declivis, down from the slope (*de clīvo*, or *sloping down*, § 986); **dēcōlor**, discoloured (*de cōlōre*); **dēdēcōr**, unseemly, **dēdēcus**, disgrace (*de dēcōre*); **dēdēcōrus**, disgraceful (*de dēcōre*); **dēflōrescere**, to lose flower (*de flōre*); **deformāre**, to put out of shape, **deformis** (*de formā*); **dēgēnēr**, degenerate (*de gēnēre*); **dēlīrare**, to rave (*de līrā*, i.e. to stray from the furrow); **demens**, out of one's senses (*de mente*); **denormāre**, to put out of shape (*de normā*); **dēvius**, off the road, retired (*de viā*). But some of these may belong to § 985.

duodeviginti, two from twenty, i.e. eighteen; **undeviginti**, nineteen (*uno-*); &c. See Appendix D.

ēgrēgius, selected (*ex grēge*); **ēlīmīnāre**, to turn out of doors (*e līmīne*); **exsecrāri**, to banish from sacred rites (or perhaps only strengthened for *sacrāre*); **extempōralis**, on the moment (*ex tempore*); **extermīnāre**, to banish (*ex terminis*); **extorris**, banished (*ex terrā*); **extricāre**, to free from perplexities (*ex trīcis*); **extraordinārius**, out of the usual order (*extra ordinem*). But some of these may belong to § 985.

illāqueāre, to ensnare (*in laqueum*, but perhaps belongs to § 984); **illustris**, in the light, clear (*in lūce*, cf. § 904); **inalpinus**, dwelling among the Alps (*in Alpibus*); **inaures** (pl.), eardrops (*in aure*); **inflammare**, set on fire (*in flammam*); **informāre**, to put into shape (*in formam*); **inglūvies**, the crop or maw (*in gūlā*); **ingurgītare**, to plunge (*in gurgitem*); **insōlare** (Col.), to place in the sun (*sol-*); **insomnium** (Plin.), a vision in sleep.

Interamna, a city in Umbria between rivers (*inter amnes*); **intercōlumnium**, space between columns (*inter columnas*); **intercus** (adj.), between skin and flesh (*inter cutem*); **interlūnium**, time between visible moons, i.e. the time of new moon (*inter lunas*); **intermenstruus**, between two months, i.e. time of new moon (*inter menses*, cf. § 762. i. b.); **interregnum**, time between two reigns (*inter regna*); **interrex**, commander between two kings (*inter rēges*); **intervallum** (space between palisades), an interval (*valla* or *vallos?*).

obnoxius, liable for a wrong, exposed (*ob noxam*); **obvius**, in the way (*ob viam*); **opportūnus**, before the port, convenient (*ob portum*); **opprobrire**, to upbraid for shameful act (*ob probrum*); **obsecrare**, to beseech (*ob sacra*).

perduellis, a public foe (*per duellum*, in a state of war?); **pērēgrīnus**, a foreigner (from *peregre*, abroad, *per agros*); **perennis**, all through the year (*per annum*); **perfidus**, breaking through faith, i.e. treacherous (*per fidem*); **perjūrus**, oath-breaking (*per jūs*); **permarīnus**, of passing through the sea (*per mare*); **pernoctāre**, to spend the night, **pernox**, through the night (*per noctem*).

pōmēridianus, in the afternoon (post meridiem); **pōmœrium**, the space behind the walls (post mœrum); **postliminium**, a return home (post limen); **poscœnia** (pl.), parts behind the scenes (post scœnam).

præcordia (pl.), the diaphragm in front of the heart (præ corde).

proconsul, a deputy-consul (pro consule). So also **proprætor**, **proquæstor**.

prōfanus, in front of the temple, i.e. unconsecrated (pro fano); **prōfānare**, to dedicate (see also § 958); **prōfestus**, not-feast (before a feast?); **promercalis** (post-Aug.), marketable (pro merce); **prospērus**, successful (pro spe or spes-, according to hopes, § 341).

sēcūrus, careless, secure (se cūrā); **sēdūlus**, without craft? hence trustworthy, diligent (se dōlo?); **sēgrex** (no nom.), apart (sē grēge).

subbasilicanus, a lounge under the halls (sub basilicā); **subdialis** (Plin.), in the open air (sub diē-); **subdōlus**, cunning (sub dōlo); **sublimis** (for subliminis), up to the lintel (sub limen, Ritschl.); **sublūcanus**, towards morning (sub lucem); **sublustris**, in faint light (sub lūcem, towards dawn?); **subsellium**, a stool under a chair? (sub sellā); **subsignanus**, serving under the standards (sub signis); **subsōlanus**, under or towards? the sun, i.e. east (sub sole or solem); **subterraneus**, underground (sub terra); **suburbanus**, near the city (sub urbem).

suppeditare, to supply (put under feet, sub pedes, Corss.); **subrūmare**, to put to the breast (sub rūmā); **suffocare**, to strangle (lit. under-throat) (fauci-).

sūpercīllium, eyebrow (super cīllium, eyelid).

trans-Alpinus, beyond the Alps (trans Alpes); similarly **trans-Danuvianus**, **transmārinus**, **transmontanus**, **trans-Pādānus**, **trans-Rhēnanus**.

C. Nouns collateral to one another:

991

duodecim, twelve (duo + decem); **octodecim**, eighteen (octo +); **quindecim**, fifteen (quinque +); **sedecim**, sixteen (sex +); **undecim**, eleven (uno +).

suovetaurilia (pl.), a sacrifice of a sheep, pig, and bull (su- + ovi- + tauro-).

D. Object + verb:

992

āg- **fūmīgare** (to make smoke, hence) to fumigate (fumo-); **lītīgare**, to go to law; **lītīgium**, a lawsuit (lītī-); **nāvigare**, to voyage, **nāvigium**, a voyage, a ship (nāvi-); **rēmex**, a rower, **rēmīgare**, to row (rēmo-).

- ambūla-** *fūnambūlus*, a rope-dancer (*fūni-*).
- cæd-** *frātricīda*, a brother-slayer (*fratr-*); *hōmicīda* (for *homicīda*), a man-slayer, *homicīdium*, manslaughter (*hōmōn-*); *parricīda*, *parricīdium*, murderer, murder of an equal, treason (*par-*?); *lāpicīdinæ* (for *lapidicīdinæ*), stone quarries (*lapīd-*); *tyran-
nīcīda*, a tyrant-killer, *tyrannicīdium* (*tyranno-*).
- cālā-** *nomenclātor*, a name-caller (*nōmēn-*).
- cāpi-** *auceps*, a birdcatcher, hence also *aucupium*, *aucupāre*, &c. (*āvi-*); *mūniceps*, a burgher (*mūni-*); *muscipulum*, *mus-
cipula* (f.), a mousetrap (*mūsi-*); *particeps*, a sharer (*parti-*); *prin-
ceps*, a chief (*prīmo-*). So also *terticeps*, *qvarticeps*, &c. (*Varr.*).
- cōl-** *Æquiculi*, plain dwellers? (cf. *L. i. 32*); *agricōla*, a farmer (*agro-*); *agricolatio* (*Col.* for the more usual *agricultura*), farming; *amnicōla*, a dweller on the river (*amni-*); *Appenninīcōla* (*Verg.*), a dweller on the Appennines (*Appennino-*); *cælicōla*, a dweller in heaven (*cælo-*); *plēbīcōla*, a people-courter (*plēbi-*); *Pop-
licola* (*publicola*, *C. Rep. 2. 31*), a people-courter (*populo-*); *rūricōla*, a countryman (*rūs-*).
- crēmā-** *turicremus*, incense-burning (*tūs-*).
- erēpā-** *pīlicrēpus*, a ball-rattler (*pīla-*).
- dā-** *sācerdos*, a priest (= *sacra dans*?).
- dīc-** (§ 629): *causīdīcus*, a pleader (*causa-*); *falsīdīcus*, false speaking (*falso-*); *fātīdīcus*, prophetic (*fato-*); *jūdex*, a law declarer, *judicāre*, *judicium* (*jus-*); *jurīdīcus*, administering justice (*jus-*); *svavīdīcus*, speaking sweet things (*svavi-*); *vērīdīcus*, truth-speaking (*vero-*); *vīdicāre*, claim by challenge? (= *vīm dīcere*).
- fāci-** *ædificare*, to build a house, *ædificium*, a house-building, i.e. a house (*ædi-*); *auctīficus* (*Lucr.*), growth-causing (*auctu-*); *dēlēnīficus* (*Plaut. &c.*), cajoling (*dēlēnīre*); *furtīficus* (*Plaut.*), theft-committing (*furto-*); *grātīficari* (cf. § 12. 6. 4), to be obliging (*grāto-*); *hōnōrīficus*, complimentary (*hōnōs-*); *horrīficus*, shudder-causing (*horre-*); *lānīficus* (*Tib., Mart.*), woolmaking (*lāna-*); *luctīficus*, woeful (*luctu-*); *magnīficus*, magnificent (*magno-*); *melli-
ficare*, to make honey (*mell-*); *mūnīficus*, present-making (*mūni-*); *mīrīficus*, doing strange things (*mīro-*); *nīdīficare*, to make nests (*nīdo-*); *ōpīfex*, workman (*ōp-us-*); *pācīficus*, peace-making (*pāci-*); *pontīfex*, bridge-maker (*ponti-*); *sacrīficium*, a sacrifice (*sacro-*); *saxīficus*, petrifying (*saxo-*); *signīficare*, make signs, show (*signo-*); *tābīficus*, wasting (*tābi-*); *terrīficus*, terrifying (*terre-*); *vēlīficari*, make sail, voyage (*vēlo-*); *vēnēficus* (for *vēnēnīficus*), poison-making (*vēnēno-*); *versīficare*, to make verses (*versu-*); *vulnīficus*, wounding (*vuln-ūs-*); and others.
- fēr-** *ærifēr*, bronze-bearing (*æs-*); *æstīfēr*, heat-bringing (*æstu-*);

ǣqvilifer (Cæs.), *eagle-bearing* (ǣqvila-); **astrifer**, *star-bearing* (astro-); **bācifer**, *berry-bearing* (bacca-); **bipennifer** (Ov.), *carrying a two-beaded axe* (bipenni-); **cādūcifer** (Ov., for *caduceifer*), *carrying a herald's staff* (caduceo-); **cælifer**, *heaven-bearing* (cælo-); **fātifer**, *death-bringing* (fāto-); **flabellifera** (Plaut.), *a fan-bearer* (flabello-); **horrifera**, *shudder-bringing* (horre-); **imbrifer**, *rain-bringing* (imbri-); **ōdōrifer**, *scent-bearing* (ōdōs-); **sensifer** (Lucr.), *causing sensation* (sensu-); **vēnēnifer** (Ov.), *poison-bearing* (vēnēno-); **vociferari**, *to shout* (vōci-); and many others.

fla- **cīnīflo** (Hor.), *an ash-blower?* in some toilet operation? (cīnis-).

fōdl- **argentifōdīna**, *a silver-mine* (argento-); **aurifōdīna**, *a gold-mine* (auro-).

frāg- **calcīfrāga**, *a chalk-crushing herb* (calci-); **foedīfragus** (for *foederīfragus*), *league-breaking* (foedus-); **fluctīfrāgus** (Lucr.), *wave-breaking* (fluctu-); **naufrāgus**, *ship-wrecked* (nāvi-); **saxīfrāgus**, *stone-crushing* (saxo-).

dentīfrangibulum, *tooth-cracker*; **nucīfrangibula** (pl.), *nut-crackers* (see § 861).

fraudā- **sociofraudus** (Plaut.), *mate-cheating* (socio-).

fricā- **dentīfricium**, *tooth-powder* (denti-).

rūgī- **hērīfūga** (m., Catull.), *lord-flying* (hero-); **lūcīfūgus**, *sbunning light* (lūci-).

gēr- **āliger**, *winged* (āla-); **armīger**, *arm-wearing* (armo-); **augur**, *bird-manager? soothsayer* (āvi-); **aurīger**, *gold-wearing* (auro-); **barbīger** (Lucr.), *beard-wearing* (barba-); **bellīger**, *warring* (bello-); **clāvīger**, *club-wearing* (clāvo-); **famīgēr-ātor** (Plaut.), *a tale-bearer*, **famīgērātio**, *tale-bearing* (fāma-); **lānīger**, *wool-wearing* (lāna-); **mōrīgērus**, *complaisant* (mōs-); **sandālīgēr-ūlæ** (pl., Plaut.), *slipper-carriers* (sandālo-); **sētīger**, *bairy* (sēta-); **spūmīger**, *foaming* (spūma-); **sqvāmīger**, *scaly* (squāma-); and others.

lēg- **ǣqvīlex**, *water-collector? hence conduit-master* (ǣqva-); **dentīlēgus** (Plaut.), *picking up teeth* (denti-); **flōrīlēgus** (Ov.), *flower-cutting* (flōs-); **frūgīlēgus** (Ov.), *fruit-picking* (frūg-); **sacrīlēgus**, *stealer of sacred things* (sacro-); **sortīlēgus**, *lot-picker, hence soothsayer* (sorti-); **spīcīlegium** (Varr.), *gleaning* (spīca-).

lōqv- **grandīlōqvus**, *talking big* (grandi-); **largīlōqvus**, *magniloqvus*, **mendācīlōqvus**, *stultiloqvus*, **suavīlōqvus**, *vaniloqvus*; **paucīlōqvium**, *little-speaking*.

lustrā- **armīlustrium**, *purification of arms* (arma-); **tubīlustrium**, *purification of trumpets* (tuba-).

caprīmulgus, *goat-milker* (capra-).

pārā-	ōpīpārus, <i>help-providing</i> (ōpl-).
pārī-	frugīpārus (Lucr.), <i>fruit-producing</i> (frūg-); puerpēra, <i>puerperium</i> , <i>child-bearing</i> (puēro-).
pend-	libripens, <i>balance-banger</i> , i.e. <i>a scalesman</i> (libra-); stipendium (for stipipendium), <i>pay</i> (stīp-).
pēt-	agripeta (Cic.), <i>land-seeker</i> (agro-); heredipeta (Petr.), <i>inheritance-seeker</i> (heredio-).
pūg-	solipuga, <i>sole-pricker?</i> a venomous snake (sōlo-).
rāpī-	pinnīrāpus, <i>a feather-snatcher</i> (pinna-). (In Plautus bustīrāpus, <i>body-snatcher</i> , is probably a hasty compound for ex busto rapēre, or bustum is taken as <i>a burnt body</i> .)
rūp-	usurpare, <i>break a user</i> , hence <i>assert a right to</i> , <i>make use of</i> , &c. (usum rumpere. So Key, <i>Phil. Soc. Trans.</i> 1855, p. 96).
sā-	vītīsātor, <i>vine-planter</i> (vīti-).
scalp-	dentiscalpium, <i>toothpick</i> (denti-).
sēcā-	fænisex, <i>hay-cutter</i> (fæno-).
sēqv-	pēdīsēqvus, <i>foot-following</i> , i.e. <i>an attendant</i> (pēd-).
sōn-	ærisōnus, <i>bronze-sounding</i> (æs-); horrisōnus, <i>shudder-sounding</i> (horr-, stem of horr-e-re, horr-or); luctīsonus (Ov.), <i>doleful</i> (luctu-).
spēcī-	auspex, <i>bird-viewer</i> (āvi-); extispex, <i>entrail-viewer</i> (exto-); hāruspex, <i>gut-viewer?</i> (comp. hilla for hīrula).
stātū-	justitium, <i>suspension of law courts</i> (jūs-); solstitium, <i>sun-staying</i> , i.e. <i>time when the sun is stayed</i> (sōl-).
stern-	lectisternium, <i>couch-covering</i> (lecto-); sellisternium, <i>chair-covering</i> (sella-), two religious ceremonies.
sūg-	sangvisūga, <i>a bloodsucker, leech</i> (sangvēm-).
tēnē-	arcitenens, <i>bow-holding</i> (arcu-).
tērē-	ferritērus, ferritērium (Plaut.), <i>iron-rubber</i> , &c.
tue-	ædituus, <i>a sacristan</i> (ædi-). First used in Varro's time for older æditumus (Varr. R. R. 1. 2. 1). Lucr. (6. 1275) has ædituentes.
versa-	tergiversari, <i>turn one's back, shuffle</i> (tergo-).
vōrā-	carnivōrus, <i>flesh-eating</i> (carōn-).

E. Oblique predicate+verb:

993

æqvīpērāre, to make equal (**æquo-**); **amplificāre**, to enlarge (**amplo-**); **ludificāre**, to make game of (**ludo-**); **mitificāre**, to make mild (**miti-**); **pūrificare**, purify (**pūro-**).

So perhaps **mitigare** (**mitem agere?**); **lēvigare**, make smooth (**lēvi-**); **purgare**, cleanse (**puro-**).

Here may be put the half-compounds (§ 300) with **facere** or **994 fieri**. (The quantity of the **e** is here marked only when proof exists, and in that case the author's name is added. Ritschl. *Opusc.* II. 618 sqq. lays down the rule that in the *Scenic* poets the **e** is long in verbs with long penult, short in verbs with short penult.)

allice-; **āre-**; **cālē-**, **concale-**, **percālē-** (Plaut., Lucr. &c. also **cal-**, **excal-**); **cande-**, **excande-**; **condōce-**; **dome-** (Petr.); **expergē-** (Plaut., Lucr.); **ferve-**, **confervē-** (Lucr.), **deserve-**, **inferve-**, **perferve-**, **sufferve-**; **frige-**, **perfrigē-** (Plaut.); **lābē-** (Ter., Ov.), **conlābē-** (Lucr.); **liqvē-** (Verg., Ov.), **liqvē-** (Lucr., Catull., Ov.), **collique-**, **inlique-**; **mādē-** (Plaut., Verg., &c.), **permādē-** (Plaut.); **commōnē-** (Plaut.); **obsōle-**; **ōl-**; **pātē-** (Plaut., Verg., Ov., &c.), **pātē-** (Lucr.); **pāvē-** (Ov., Sen.), **perpāvē-** (Plaut.); **pingve-** (Plin.); **pūtrē-** (Ov.), **pūtrē-** (Plaut., Lucr., for which Ritschl **pūtē-**); **quāte-** (Auct. *Ep. ad Brut.*); **rārē-** (Lucr.); **rūbē-** (Ov.); **stūpē-** (Verg., Ov., &c.), **obstūpē-** (Ter., but see edd.); **assue-**, **consue-**, **desue-**, **mansue-**; **contābē-** (Plaut.); **tēpē-** (Catull., Verg., Hor.), **tēpē-** (Catull.); **perterre-**; **tīmē-** (Lucr.), **pertīmē-** (Pacuv.); **torre-** (Col.); **trēmē-** (Prop., Verg., Ov., &c.); **tūmē-** (Prop., Ov.); **vācē-** (Lucr.), **vācue-** (Cic., Nep.).

Compare also **deterrificus**, **horrificus**, **terrificus**, § 992.

cīnēfactus (Lucr.) is a bold compound from **cīnīs-** (which would give **cīnērifactum**), as if there were a verb **cīnēre**, to be ashy. Similar non-existent verbs are presumed in **dome-**, **rare-**, **vace-**, **vacue-** (above). In **allice-**, **condoce-**, **dome-**, **experge-**, **commone-**, **quate-**, **perterre-**, **torre-**, a neuter signification or passive infinitive appears to be presumed. Either these verbs are formed on a false analogy, or they may be compared with such phrases as "es lässt sich begreifen," "je me suis senti entraîner."

The incompleteness of the composition is seen in the separation of the parts in **ferve bene facit** (Cato), **perferve ita fit**, **consul quoque faciunt**, **excande me fecerunt** (all in Varr. *R. R.*), and **facit are**, **rareque facit** (Lucr.); perhaps in **facit putre** (Varr. *R. R.* I. 41. 2).

For **fabrefactus** see § 997.

Here also may be put the compounds **qvīvis**, **qvantusvis**; **qvīll-** 995 **bet**, **qvantuslibet**, *what you please, as great as you please*. The pronoun retains its inflexions, but is treated syntactically, as if it were expressing an absolute name or quality, and were not really an object (to **vis**) or oblique predicate.

F. Subject+verb:

996

alienigena (ällēnigēnus, Val. Fl.), *born of foreigners* (alieno genitus); **angvigena**, *snake-born*; **cæligena** (f.), *heaven-born*; **caprigenus**, *of goat stock*; **terrigena**, *earth-born*; **vitigenus**, *vine-produced* (viti-). See also § 826.

(Perhaps these should be referred to A, § 988.)

būcīna, *an ox-horn trumpet* (bos canit; but cf. 997, can-); **gallicinium**, *time of cockcrowing* (gallus canit); **gelicidium** (Cat., Varr., Col.), *hoarfrost* (gelu cadit); **poplifugium**, *people's flight* (pōpulus fugit); **rēgīfugium**, *king's flight* (rex fugit); **rēgīficus**, *royal* (rex facit); **stīllīcīdium**, *a dripping* (stilla cadit).

G. Oblique case, or adjective used adverbially, +verb. 997
The construction presumed is often very loose.

āg- **jurgāre**, *to dispute, scold*, **jurgium**, *altercation, scolding* (jure ago).

cāpi- **manceps**, *a purchaser*; **mancīplum**, *a chattel* (manu capio); **nuncūpare**, *to declare* (nomine capio?).

cān- **cornicen**, *hornblower* (cornu cano); **fīdīcen**, **fīdīcīna**, *a player on the strings* (fīdībus cano); **lītīcen**, *a trumpeter* (lituo cano); **oscen**, *a singing bird* (ōre, stem ōs-, cano); **tībīcen**, **tībīcīna**, *a flute player* (tibiā cano); **tūbīcen**, *a trumpeter* (tūbā cano).

dā- **mandāre**, *commit to a person's charge* (in manum dāre?). Compare **crēdere**, *trust*; **ven-dēre**, *sell* (venum dare).

dīc- **mālēdīcus**, *scurrilous* (male dico).

fāci- **artifex**, *a handicraftsman* (arte facio); **bēnēficus**, *kind* (bene facio); **carnīfex**, *a butcher* (carne facio; comp. **vītūlā facio**, Verg.); **mālēficus**, *unkind* (male facio). Here belongs **fabrefacere**, *to make in workmanlike fashion*; comp. also **infabre factus**.

fīd- used passively: **bīfīdus**, *cleft in two* (bis fīdor); **multīfīdus**, *with many clefts* (multum fīdor); **quadrīfīdus**, *four-cleft*; **trīfīdus**, *three-cleft*.

benignus, *well-born, liberal*; **malignus**, *ill-born, stingy* (bene, male, genitus); comp. § 826.

flu- **largīfluus**, *copious*; **septemfluus**, *seven-streamed*.

gēn- **primigenus** (Lucr.), **primigenius** (Varr.), *first-born, primitive* (primus gignor).

pāri- **prīmīpāra**, *bearing for the first time* (primum pario).

pōtes- **bellīpōtens**, *powerful in war* (bello possum); **omnipōtens**, *all-powerful*, **multīpōtens**, *very powerful* (omnia, multum possum); **pennīpōtens** (Lucr.), *winged* (pennis potens).

sōnā-	armīsonus (Verg.), <i>arm-resounding</i> (armo-); fluctisōnus (Sil.), <i>wave-resounding</i> (fluctu-); fluentisōnus (Catull.), <i>flood-resounding</i> (fluento-); raucisōnus (Catull.), <i>hoarse-sounding</i> (rauco-); undisonus, <i>wave-sounding</i> (undis).
sulcā-	bisulcus, <i>cloven-footed</i> (i.e. cleft in two by a furrow).
vāgā-	montivāgus, <i>wandering on the mountains</i> (monte vāgor); nēmōrivāgus (Catull.), <i>wandering in thickets</i> (in nemoribus vāgor); noctivāgus, <i>wandering by night</i> (noctu vāgor); sōllivāgus, <i>wandering alone</i> (solus vāgor).
vōl-	bēnēvōlus, <i>well-wishing</i> ; mālēvōlus, <i>ill-wishing</i> (bene, male, volo).
volā-	altivōlus, <i>flying on high</i> (alte volo); vēllivōlus, <i>sail-flying</i> (vēllis volat).

So Adverb (or oblique case) + Participle:

998

alticinctus, *girt-high*; mānifestus, *hand-struck?* (cf. § 704); sacrosanctus, *consecrated* (perhaps this belongs to spurious compounds), sollicitus, *anxious*, lit. *all-excited* (sollo-, clēre, cf. § 759).

bipartitus, tripartitus, qvadrupartitus, *divided into two, three, four* (bis, tris = ter, qvadri = qvatvor, § 184).

CHAPTER XII.

INTERJECTIONS.

INTERJECTIONS may be divided into two classes: (1) imitations of sounds, (2) abbreviated sentences or mutilated words.

1. Imitations of sounds. (The probable Greek and English modes of representing the same or similar sounds will be added.)

a or ah }
or ha } in warning or sorrow. Comp. ā, Engl. *ah!* Germ. *ach*.

ējā (heia) in encouragement. Comp. εἴα, Engl. *hey*.

vah in surprise or indignation. Comp. ôā.

- o** various. Comp. *ō*, *ǒ*, Engl. *oh*!
- io** a shout in excitement. Comp. *iov* or *ioû*, Engl. *yoho*!
- ēhō** or **oho** a cry of distress. Comp. Engl. *Hio*! In Terence sometimes with *dum* appended.
- pro** or **proh** in surprise or indignation; especially in phrases, **pro Di immortales**, &c. Perhaps this is not imitative of a natural sound, but is a word.
- euoe** for *εὐοῖ*: a cry in Bacchic rites.
- au** in fear and warning.
- fu** or **phui** expression of disgust. Plaut. *Most.* 39, *Pseud.* 1294. Comp. *φεῦ* (?), Engl. *fie!* *faaw!* *fob!* Germ. *pfui*.
- phy** in impatience at unnecessary explanation. Ter. *Ad.* 412. Probably same as last. Comp. Engl. *poob*.
- hui** various. Perhaps a whistle, which is written in Engl. *whew*.
- babæ** }
papæ } in wonder and delight: a quivering of the lips. Perhaps imitative of Greek *βαβαί*, *πόποι*, *παπαί*. Comp. Herm. on *Soph. Philoct.* 746.
- hahahæ** *Laughing*. Comp. *ā*, *ā*, Engl. *Haba*.
- væ** in grief and anger. Represents a wail. Comp. *οὐαί*, in Alexandrine and later writers, perhaps imitation of the Latin; Germ. *web*, Engl. *woe*. Compare also *vah* and the verb *vāgīre*.
- ōhē** in annoyance, especially when a person is *sated*; probably between a groan and a grunt. Comp. Engl. *ugh*.
- hei** or **ei** in grief. It represents a sigh. Comp. *ē ē* or *ē ē* or *ἐή*, and perhaps *αἰαί*, Engl. *heigh*.
- ehem** or
hem or **em** } the sound of clearing the throat? Comp. Engl. *hem*, *ahem*. In Plautus *em* is often found in MSS. for *en*.
- st** to command silence. The corresponding sound in English, *hist*, is used to attract attention; and *sh*, *bush* to command silence.
- attat** or **atat** or
rarely **attataæ** } in surprise, vexation, fear, &c.: smacking of the tongue against the teeth. Comp. *ἀτταταί*, *ἀτταταταί*, *ὀτοτοτοί*, Engl. *tut tut*.
- heus** a noise to attract attention: a combined whistle and hiss. Comp. Engl. *whisht!* and perhaps Germ. *heisa* (= Engl. *buzza*).
- bombax** apparently from *βομβάξ*: expression of wonder.

- euax** a cry of joy. Comp. *εὐα*, *εὐάξειν*, and perhaps Germ. *juchhe*.
taxtax the sound of blows. Comp. Engl. *thwack*.

2. Abbreviated sentences or mutilated words. The following are probably such:

(a) Latin:

- ei** in Plaut. usually *em*, *lo!*
ecce *lo here!* The *ce* is perhaps the demonstrative particle, cf. § 374. In the comic poets it is frequently combined with the accusative (as if it were equivalent to *see*) of the pronouns *is* and *ille*; *eccum*, *eccam*, *eccos*, *eccas*, *ecca*; *eccillum*, *eccillam*, *eccillut*; once also *éccistam*.
eccere used similarly to English *there!*
mehercules, mehercule, mehercle, hercules, hercle } abbreviations of *me Hercules juvet*
medius fidius for *me deus Fidius juvet*, *so help me the God of Faith*.
ecastor perhaps for *en Castor*.
pol for *Pollux*.
edepol said by Roman grammarians to be for *per ædem Pollucis*.
sodes *prythee*. Said by Cicero (*Or.* 45) to be for *si audes* (cf. Wagner ad Pl. *Aul.* 46).

(b) Borrowed from the Greek:

- age** *come!* for *ἄγε*. It is sometimes followed by *dum*.
ápáge *off!* for *ἀπαγε*.
euge for *εὖγε*.
eugipæ originally for *εὖγε παῖ?*

APPENDICES.

APPENDIX A.

i. THE following Extracts are made in order to give a fuller exposition of some points of Phonetics, and to furnish physiological explanations of some of the phenomena stated in Book I.

The books chiefly quoted from are, as I believe, the best on the subject, viz.: A. Melville Bell's *Principles of Speech*, London, new ed. 1863. *Visible Speech*, London, 1867. A. J. Ellis *on Early English Pronunciation*, Part I. 1869; Part II. 1869. These books contain much more that is illustrative but not so easily quotable. The *Visible Speech* contains Bell's latest views, which in some points are different from those given in the *Principles*.

The notation of the sounds has been in some cases modified, to make the account intelligible to readers who are not familiar with Bell's or Ellis' notation. (In the *Principles*, Bell uses 'articulations' for 'consonants.' I have substituted the latter term as better known.) I have also occasionally made omissions and transpositions for the sake of brevity and clearness, but have not cared to remove all repetition.

On Nasals. (Comp. § 6.)

ii. 'The letters **m**, **n**, **ng** have the same oral positions as **b**, **d**, **g** but the inner end of the nasal passages is uncovered by the soft palate, and while the breath is shut in by the mouth, it escapes freely through the nostrils.

'Though the nasals gain but little percussive audibility by the cessation of contact, yet they cannot, any more than the perfectly obstructive consonants, be considered finished until the oral organs are separated. There is breath within the mouth pressing against the conjoined organs, and slightly distending the pharynx, as well as a free current in the nostrils: and though the voice may be perfectly finished by merely closing the glottis, the consonant would be imperfect, if the breath within the mouth were not allowed to escape. There is thus a slight, but very slight, effect of percussion heard on the organic separation as in *come*, *sun*, *tongue*, &c.; and when a vowel follows the articulation, this slight pha-

‘ryngal expression gives a sharpness and closeness of connexion
‘to the combination, which would be wanting, if the voice were
‘stopped in the glottis before the organic disjunction.

‘In finishing these nasal elements, the soft palate must not be
‘allowed to cover the nares before the articulating organs are sepa-
‘rated; for a momentary closure will convert *m*, *n*, *ng* into
‘*b*, *d*, *g*. A tendency to compress the breath in this way is espec-
‘ally felt in finishing *ng*, in the formation of which the tongue and
‘soft palate are already in contact, and so in the position for *g*,
‘to which *ng* is consequently more easily convertible than the other
‘nasals are to their corresponding shut letters.

‘The English nasals are all *voiced* consonants.

iii. ‘The French has a series of seminasal sounds represented
‘by *an*, *en*, *in*, *on*, *un* and by various other literal combinations.
‘In forming these the soft palate is depressed sufficiently to open
‘the nasal passages but not so much as, by contact with the tongue,
‘to obstruct the passage into the mouth. Thus having an oral
‘as well as a nasal passage they are capable of being affected by
‘changes in the position of the mouth. There are four recognized
‘varieties of them. The English *ng* on the contrary, has always
‘a uniform sound, it is incapable of any change of vowel quality.’
M. Bell, *Principles*, pp. 49, 50, 39.

iv. It may here be noted that *n* and *l* are in several languages
palatalised. Thus Ital. *gl*, Spanish *ll*, Portug. *lh*, all are equal,
or nearly so, to *ly*: French and Ital. *gn*, Span. *nn* (old) now *ñ*,
Portug. *nh* are all equal or nearly equal to *ny*. (Ellis, p. 199.
Brücke, p. 70.)

On held or sustained Consonants.

v. ‘The nasal elements and also the letter *l*, are often called
‘*semivowels* because they are perfectly sonorous and capable of
‘separate and prolonged enunciation like vowels. These semi-
‘vowels may each separately form a syllable; *l* and *n* often do so
‘in English as in *castle*, *fasten*, &c.; and *m* has a similar syllabic
‘effect in *rhythm*, *chasm*, *prism*, &c. In the pronunciation of such
‘words care must be taken that no vowel sound is heard between
‘the *m* and the preceding consonant.

‘The letters of this class are often called *liquids* because they
‘flow into other articulations, and seem to be absorbed by them.
‘This peculiar quality might perhaps be better understood, were
‘we to call it *transparency*; they shew through them the nature of
‘proximate consonants. When the liquids occur before voiceless

‘consonants, they are so short as scarcely to add any appreciable quantity to the syllable; *awilt, bent, brink, lamp*, &c. have thus but very little more duration than *awit, bet, brick, lap*, &c. When these letters however come before voiced consonants, they form the longest syllables in the language, as in *awilled, bend, tongues, lambs, film, helm* which have as long quantity as any syllables containing the same vowels can have. The liquids have the same quantity as other varied consonants before vowels. They are however longer when final.’ M. Bell, *Principles*, pp. 167, 8.

On the length of Consonants.

vi. ‘Among the consonants there are various degrees of quantity. The vocal articulations are essentially longer than the non-vocal, but in each class there are varieties.

‘Thus: The breath obstructives *p, t, k* are the shortest.

‘The breath continuous elements *f, th, s, sh* are the next longer.

‘The shut voice consonants *b, d, g* are the next in length.

‘The close continuous voice consonants *v, th, z, zh* (i.e. French *j*) are longer still.

‘The open continuous voice consonants or liquids *l, m, n, ng* are the longest simple consonants.

‘*wh, w, y* and *r* are not included because these consonants do not occur after vowels, but only as initials in English; and all initial letters, whether voice or breath, are alike in quantity.’ M. Bell, *Principles*, p. 86.

On sharp and flat Consonants. (Comp. § 2.)

vii. Brücke’s view is as follows, as stated by v. Raumer:

‘The difference between the soft and hard consonants consists in this, that the voice sounds with the former and not with the latter. When we speak aloud, the voice must actually sound in pronouncing the soft consonants: in whispering, the sound of the vocal chords falls away altogether, but the place of this is supplied in the case of the soft consonants by a rustling in the larynx.’ Cf. Brücke, p. 55. See von Raumer’s criticism (*Gesam. Schriften*. p. 450 sq.).

Mr Bell’s account is as follows: ‘When the glottis is contracted to a narrow chink the breath in passing sets the edges of the orifice, i.e. the vocal ligaments, in vibration, and creates sonorous voice. When the glottis is open, and the supraglottal passage is

‘contracted, the breath creates in the latter the non-sonorous rustling or friction, which is called “whisper.” The organic effect of the open glottis will be understood by whispering a voiced consonant, such as *v*. The result is clearly different from the sound of the non-vocal consonant of corresponding oral formation, *f*. For the former, the fricativeness of the breath is audible from the throat, through the oral configuration; for the latter, the breath friction is audible only from the lip.’ *Visible Speech*, p. 46.

In Lower Germany usually, as in England always, the soft (flat) consonants are accompanied (in speaking aloud) with the sound of the voice. But in far the greater part of Germany, i.e. over almost the whole of South and Mid-Germany, the regular pronunciation of the soft consonants is, according to von Raumer, unattended by the faintest sound of the voice. Again, ‘many persons accompany some soft consonants with the sound of the voice, and pronounce others without; e.g. some give the sound of the voice to *w*, but not to *s*; others to *w* and *s*, but not to soft mutes; others again, and this is frequent, to the nasals, but not to other consonants.’ Von Raumer mentions, that a highly educated man of his acquaintance, who never voiced the soft consonants, yet found it inconceivable how people could confuse together such different sounds as the soft and hard consonants. (p. 454.) See also Max Müller, *Lectures*, II. pp. 118, 131.

On the imperfect vocality of Consonants.

viii. ‘All consonants being merely transitional sounds in ordinary utterance, the voice is not equally sustained from the beginning to the end of the vocalized articulation. In pronouncing the word *leave* for instance the vocality of the *v* is clearly heard only at the junction of that element with the syllabic sound, the vowel; and the initially voiced *v* sinks imperceptibly into its voiceless correspondent *f*—as if the word were written *leaf*. This effect does not require to be written, as it is inherent in the implied transitional character of the consonant.

‘When a voiced consonant comes before a non-vocal element, the murmur of the vocal letter is heard only at the instant of its junction with the preceding vowel, and immediately lost in the transition to the next element, as in the words *art*, *purse*, *else*, *felt*, *lance*, *cant*, *lamp*, *ink*, &c.

‘Foreigners in pronouncing English words generally fail to give the requisite abruptness to these “liquids” before voiceless consonants.

‘The preceding observations shew that the absolute quantity of voice in a vocal consonant depends on the nature of the following element. Five degrees of absolute quantity in the sound of / will be recognised in the following combinations; arranged from shortest to longest: *felt, health, fell'd, realm, fell.*’ M. Bell, *Visible Speech*, p. 67.

ix. In French such words as *stable, schisme* are not pronounced as in English with the final voiced consonant held or prolonged, but either with the faintest vowel murmur following, thus making *l, m* initial and consequently shortening the sound, or with an entire remission of the vocal murmur, i.e. with *l, m* whispered. See Ellis, p. 52.

x. The same imperfect vocality is noticeable particularly in a comparison of Icelandic with English *s*.

‘*s* is always (in Icelandic) intentionally *s* and never *z*, but *z* is sometimes generated, although it is not recognized. Thus *s* final after *l, n*, and perhaps in other cases, generates an intermediate *z*. For example if we compare *eins, sins* with English *stains, scenes* we should see that the difference of the terminations arises from the *s* in Icelandic being intentional and predominant, but the *z* generated and therefore lightly touched, while in English the *z* is intentional and predominant, and although the *s* is often prolonged and in the church singing of charity children not unfrequently painfully hissed, it is yet merely generated by a careless relaxation of the voice, and its very existence is unknown to many speakers. I found also that there was an unacknowledged tendency to pronounce *s* final after long vowels in the same way.’ Ellis, p. 547.

This is only in accordance with English (and Icelandic) habits of modifying the second consonant to suit the preceding sound. Latin took the opposite course and expelled *n* when preceding *s*, or *s* when preceding *m* or *n*, clearly because *s* was sharp and *m* or *n* flat (see §§ 191, 2. 193).

On diphthongs, (Comp. § 20.)

xi. ‘The common definition of a diphthong “a complexion or coupling of vowels when the two letters send forth a joint sound, so as in one syllable both sounds be heard” (Ben Jonson), is quite defective if not absolutely erroneous. Between a coupling of sounds and a diphthongal sound the interval is as wide as between a mechanical mixture and a chemical combination. The two marks of sound which connote a diphthong are neither of them sounded, they do but indicate the two limits, from one of which to the other the voice passes continuously in uttering the diphthong;

'it is the filling up of the interval so symbolised which constitutes the diphthongal sound and accordingly it is not every two vowel symbols which can be conjoined to represent a diphthong, but only such two as admit of a continuous uninterrupted passage of the breath from one limit to the other. A diphthong is a sound of an essentially different nature from a vowel or any combination of vowels. However rapidly two vowels are made to succeed each other they will remain two vowels still and never blend into a diphthong. The nearest analogue to the diphthong is the slur in vocal music. In general (I do not say always), a diphthong cannot be reversed as such; i.e. in the act of reversal it becomes a vowel syllable.' J. J. Sylvester, *Laws of verse* (Lond. 1870), p. 50.

A similar definition of a diphthong is found in Brücke, p. 27. See also M. Bell, *Visible Speech*, p. 78. Ellis, p. 51. Comp. Rumpelt, *Deutsche Gram.*, p. 33.

xii. 'The general rule for the stress upon the elements of diphthongs, is that it falls upon the first, but this rule is occasionally violated. Thus in many combinations with initial *i*, *u* the stress falls on the second element, in which case, according to some writers, the first element falls into *y*, *w*, which, however, others deny. In *iu*, *ui* the stress is properly on the first element. But in Italian *chiaro*, *ghiaccio* the *i* is touched quite lightly, and is almost evanescent, so that it would generally be thought enough to denote the *chi*, *ghi* as palatalised *k*, *g*.' Ellis, p. 418.

'There are three principal vowels *a*, *i*, *u*, whence are formed six principal diphthongs, each consisting of two vowels connected by a gliding sound arising from the continuance of the voice-sound while the organs of speech pass from the positions due to one vowel to that due to the other. It is this glide which gives the diphthongal character. The first element or vowel is usually brief, but it generally receives the accent, and it may be long. The second element is generally long and occasionally accented. These six diphthongs are *ai*, *au*, *ui*, *iu*, *ia*, *ua*. The two first, *ai*, *au*, degenerate into the intermediate vowels *e*, *o* in various shades, as may be satisfactorily proved historically. The two next, *ui*, *iu*, generate the peculiar middle vowels French *eu*, *u*; and the two last cause the evolution of the consonants *y*, *w*. Of these the diphthongs *ui*, *iu* are the most unstable. The pure sound of the first occurs in the French *oui* as now pronounced; it is however used as a dissyllable by Molière¹ and must therefore have been pronounced as the present French *oui*. The pure sound of the second, *iu*, is common in Italian as *più*. In both *ui*, *iu*, the stress may be

¹ Diez's *Etymological Dictionary*, sub voce. The older *oil* was dissyllabic, from *hoc illud*. (Ellis.)

‘laid on either element, and in both the attempt may be made to fuse the diphthong into a single sound. When the stress falls on the second element, an Englishman (but not a Welshman) says *we*, *you*. When the organs of speech endeavour to produce a single sound, it differs from either, and results in French *eu*, *u* in various shades.’ Ellis, *Philolog. Soc. Trans.* 1867. *Suppl.* p. 58.

On English r.

xiii. The English pronunciation of *r* is so peculiar, and its effect on vowels so great that an English student studying vowel sounds is liable to fall into many mistakes if he does not bear it constantly in mind. The following passages will explain the matter. The vowels will be denoted by the numbers in the list on p. 9.

‘*R* is produced when the breath is directed over the upturned tip of the tongue so as to cause some degree of lingual vibration. In order to effect this, the breath must be obstructed at all other points, that the force of the stream may be concentrated on the tip; and the tongue must be held loosely to enable it to vibrate readily. The vibration may be produced in every degree from the soft tremor of the English *r*, which merely vibrates the *edge* of the tongue, to the harsh rolling of the Spanish *rr*, which shakes the whole organ. The trilled or strongly vibrated *r* is never used in English.

‘Between vowels as in *merit* the *r* is strongest, but it has only a momentary tremor; for consonants between vowels are always short in English.

‘*r initial* has the consonantal vibration, but only of the edge of the tongue.

‘Final *r* is the 3rd vowel. When the tongue is raised just enough to mould the passing stream of air, but not yield to it, we have the condition for the final *r*. The aperture for the emission of the voice is so free that the vowel quality of the sound is scarcely, if at all, affected. When the succeeding word however begins with a vowel, the final *r* has generally the effect of medial *r*, to avoid hiatus, as in *her own*, *or else*, &c.’ M. Bell, *Principles*, p. 189.

xiv. ‘The open vowel quality of the English *r* draws all preceding closer vowels to a greater degree of openness than they have before consonants. This is particularly noticeable in the 16th and 8th vowels, which are regularly changed into the 15th and 7th before *r* (3rd vowel). But the 18th and 10th—the closest vowels—equally illustrate the tendency. Very few English speakers pronounce *ee* (18th), and *oo* (10th), distinctly before *r*, at least in

'conversational utterance. Such words as *beard*, *hereafter*, *earwig*, *merely*, &c.: *cure*, *your*, *poor*, &c., are frequently pronounced '17 to 3, and 8 to 3, instead of 18 to 3, and 10 to 3.' M. Bell, p. 146.

xv. 'The long form of the 15th vowel, identical with the French *ê* in *même*, *bête*, &c.' (14th vowel acc. to Ellis) 'is the sound which is substituted for the 16th vowel, before *r* (3rd vowel) in English. It is heard in no other position in the language. An ear unaccustomed to analyze vocal sounds may possibly at first fail to recognize the same vowel formation in the words *ell* and *ere*. Let the reader pronounce the first word of each of the following pairs, *omitting* the vowel sound of the *r*, and joining the *consonantal* effect of *r* to the preceding vowel, and his pronunciation should correspond to the second words; or conversely, let him pronounce the second word in each pair, *with* the interposition of the vowel-sound of *r* between the consonantal *r* and the preceding vowel, and his utterances should give the first words: *fairy*, *ferry*; *chary*, *cherry*; *dairy*, *Derry*; *vary*, *very*; *mary*, *merry*; *airing*, *erring*.

'But it is not every ear that will be at once competent for this experiment.' M. Bell, pp. 126—128.

xvi. In such words as *four*, *our* we have triphthongs, viz. 3 to 18 to 3, and 3 to 10 to 3.

The difference between this vocal sound of *r* when separate and when part of a diphthong (or triphthong) is heard by comparing *lyre*, *liar*; *ne'er*, *greyer*; *drauer* (a thing), *drawer* (a person); *more*, *mower*; *your*, *ewer*.

xvii. Mr Ellis' account (abridged) is as follows:

'In English at the present day *r* has at least two sounds, the first when preceding a vowel, is a scarcely perceptible trill with the tip of the tongue, which in Scotland and with some English speakers, as always in Italy, becomes a clear and strong trill. The second English *r* is always final or precedes a consonant. It is a vocal murmur, differing very slightly from the *u* in *but* (3rd vowel). This second *r* (marked *x*) may diphthongise with any preceding vowel. After the 2nd, 6th and 5th vowels (as in *bard*, *dwarf*, *born*) the effect is rather to lengthen the preceding vowel, than to produce a distinct diphthong. Thus *fartber*, *lord* scarcely differ from *father*, *laud*: that is, the diphthongs 2 to *x*, 5 to *x* are heard almost as the long vowels 2 and 6. That a distinction is made by many, by more perhaps than are aware of it, is certain, but it is also certain that in the mouths of by far the greater number of speakers in the south of England the absorption of the *x* is as complete as the absorption of the *l* in *talk*, *walk*, *psalm*, where it

‘has also left its mark on the preceding vowel. The diphthongs
‘*ɪ* to *ɪ*, *ʊ* to *ɪ* as in *serf*, *surf*, are very difficult to separate from
‘each other, and from a long 3rd vowel. But the slight raising of
‘the point of the tongue will distinguish the diphthongs from the
‘vowel in the mouth of a careful speaker, that is, one who trains
‘his organs to do so. No doubt the great majority of speakers do
‘not make any difference.’ Ellis, p. 196.

‘The combination of the vocal *r* with the trilled *r* after a long
‘vowel is very peculiar in English; compare *dear*, *deary*, *mare*,
‘*Mary*, *more*, *glory*, *poor*, *poorer*, with the French *dire*, *dirai*, *mère*,
‘*Mairie*, *Maure*, *aurai*, *tour*, *Touraine*.

‘The Scotch do not use the vocal *r* at all, but only the strongly
‘trilled *r*.

‘In Italy this strongly trilled *r* is constant; in France and a
‘great part of Germany a trill of the uvula is pronounced in lieu of
‘it. This French *r* (*r grasseyé ou provençal*) is not unlike the Arabic
‘*grb* and the Northumberland *burr*. The last is often confused by
‘southerners with *g*, *Harriet* sounding to them like *Hagiet*.’ Ellis,
p. 198.

Connexion of *u*, *w*, *v*, *b*, *qu*, &c. (Comp. §§ 90, 118. 2.)

xviii. ‘When the breath passes between the *anterior* edges of
‘the lips in close approximation, the effect of the breathing resem-
‘bles the sound of *f*. The Spanish *b* is articulated in this way, but
‘with vocalized breath, its sound consequently resembling *v*. When
‘the aperture of the lips is slightly enlarged by the separation of
‘their anterior edges, and the breath passes between the *inner* edges
‘of the lips, the effect is that of the English *wh*, *w*; the former
‘being the voiceless, the latter the vocal form of the same articula-
‘tion. The lips must be in sufficiently close approximation to pre-
‘sent a degree of resistance to the breath, or the *w* will lack that
‘faint percussive quality which alone distinguishes it from the
‘vowel *oo* (10th vowel).’ M. Bell, p. 52.

‘The sound of *v* consonant in ancient Latin is a matter of
‘dispute: it was probably *w* or *bh* (i.e. labial *v*), and more proba-
‘bly the latter than the former, because we can hardly imagine *w*
‘generating *v* except through *bh*, but the passage from *bh* to *v* is
‘so easy and slight, that the two parts of Germany which are dis-
‘tinguished by the two different sounds at this day profess to pro-
‘nounce their *w* in the same way. *Bh* is a kind of bat sound readily
‘falling into *w* or *v*, but the real *w* has a very moderate domain in

‘Europe. The **bh** is thoroughly established in High Germany and in Spain, where the old joke of

‘*felices populi quibus vivere est bibere*

‘points at once to the antiquity of the sound in that country in which it is still used for both **b** and **v**, and to the probable pronunciation of **v** in Latin as **bh** at that time. The example of *καυvéas* being heard as *caṽ n'eas* = *cave ne eas* would be solved by the identity (*kabhne'ās*) in both languages at that time.’ [But comp. § 94.] ‘At the time when the Anglo-Saxons being Christianized adopted the Christian Roman alphabet, the Roman **v** consonant was certainly [the denti-labial] **v**, a sound which the Anglo-Saxons did not then distinguish from **f**.

‘An accurate conception of the three sounds **w**, **bh**, **v** is necessary for the proper understanding of many linguistic relations. For **w** the lips are rounded nearly as for **u**, and the back of the tongue is raised, but the outer edges of the lips are brought more together than for **u**, and the sound of **w**, when continued, is therefore a buzz, a mixture of voice and whisper, and not a pure vowel sound. When the buzz is strong, the tremor of the lips is very perceptible, and a little more force produces the labial trill **brh**. If the voice is removed, we have **wh**, and the back of the tongue being raised as before mentioned, the slightest effort suffices to raise it higher and produce **kwh**. This gives the relation between the gutturals and labials which plays such an important part in comparative philology. On the other hand for **bh** the tongue is not raised, the sound is a pure labial, less like **u**, but easily deduced from **w** by lowering the tongue and slightly flattening the lips. It is to those used to it an extremely easy and pleasant consonant, produced with the least possible effort. By dropping the voice it produces **ph**, which is not now used in Europe but was probably a value of **φ**. For **w**, **bh** there must be no contact with the teeth. Directly the lower lip touches the upper teeth, an impediment is raised to the passage of the air through the mouth, and the breath escaping out on both sides, produces a rushing, rubbing, rustling sound, distinctive of the “divided” consonants, and known as **v**, which on dropping the voice, becomes **f**. But all degrees of contact between the lower lip and the teeth are possible, producing varieties of **f**, **v**. from sounds which can scarcely be distinguished from **ph**, **bh**, up to extremely harsh hisses and buzzes. Generally then **w** is a consonant framed from **u** by closing the lips too closely to allow of a pure resonance for the vowel sound; **bh** is a **b** with the lips just slightly opened, or a **v** without touching the teeth, that is, a pure labial; **v** is a denti-labial. The **w** is further distinguished from **bh**, **v** by having the tongue raised. It is possible of course to raise the tongue when sounding **v**; the result is **vh**,

‘a very peculiar and disagreeable sound. But if the tongue is raised when sounding **bh**, no ear would distinguish the result from **w**. The following words may shew these differences. Fr. *oui*, *oui*; Engl. *we*, Germ. *wie*, Fr. *vie*; usual Scotch *quben*, English *wuben*, Aberdeenshire *fen*; usual German *schreiben*, faulty German *schreiwien*; German *pferd*, now *pfert*, once probably *ppbert*, and in some Bavarian dialects *p'bert*.’ Ellis, pp. 514, 515.

Roman Preference of **vo** to **vu**. (Comp. § 93.)

xix. The reason of the Romans retaining this vowel **o** after **v** instead of allowing it to pass into **u** (§ 213) was the danger of thus losing either the consonant sound **v** (= **w**) or the vowel **u**.

‘The 10th vowel (i.e. **u**=**oo**) has an *articulative* (i.e. consonantal) effect, when the modifying organs are further approximated during the continuance of the sound. By a slight appulse of the lips, the vowel **oo** becomes the articulation **w**. Thus if the lips be momentarily compressed between the finger and thumb while sounding **oo**, the voice will be modified into *woo*, *woo*, *woo*, &c.’ M. Bell, p. 151.

‘When **w** is before **oo** the combination is rather difficult from the little scope the organs have for the articulative action; the **w** is in consequence often omitted by careless speakers, *wool* being pronounced *ool*; *woman*, *ooman*; &c.’ M. Bell, p. 171.

On Labialisation. (Comp. § 93. 3.)

xx. The Latin **v** when following **q** or **g** is not really a separate letter but a modification of **q** or **g**. Thus Mr Ellis speaking of English says: ‘**kw** or Labialised **k**, the lips being opened simultaneously with the release of the **k** contact and not after it, is an ancient element of our own and probably of many other languages. In Anglosaxon it is written **cw**, in Latin **qu**, which is the form adopted in English. **Gu** bears the same relation to **g** as **qu** to **k**, but as the form of the **g** remained unchanged little attention was paid to it. It does not exist as part of the Saxon element of our language. Initially it is generally used superfluously for **g**. Occasionally it has the sound **gw**, as in *language*, itself a modern form, *anguish*, *distinguish*. Usage however varies, some saying *lang-gwage*, *ang-gwish* and others *lang-awage*, *lang-awish*. The Italian *quale*, *quanto* are apparently *kwuale*, *gwuanto*... As we have **ky**, **gy** (in the antiquated pronunciation of *card*, *sky*, *guide*=*kyard*, *skyi*, *gyide*) and **kw**, **gw**, so also to our unacknowledged palatal modification of **t**, **d**, viz. **ty**, **dy** (e.g. in *nature*, *verdure*, often pro-

‘nounced as *na-tyoor*, *ver-dyoor*) correspond an equally unacknowledged labial modification of *t*, *d*, viz. *tw*, *dw*, e.g. *between*, *tawain*, *twelve*, *twist*, *twirl*; *dwindle*, *dwell*, *dwarf*. Many of those who have thought on phonetics have been more perplexed to decide whether *w* is here really a vowel or a consonant, than in the corresponding words, *wean*, *wain*, *wist*, *well*, *war*. The difficulty is resolved by observing that the opening of the lips is really *simultaneous* with the release of the *t*, *d* contact.’ Ellis, pp. 206, 208, 209, slightly compressed.

xxi. In French this labial modification is common after most consonants, e.g. *p* (*pois*), *b* (*bois*), *m* (*mois*); *f* (*fois*); *v* (*voix*), *k* (*quoi*), *g* (*goître*); *t* (*toi*), *d* (*doit*); *n* (*noix*), *l* (*loi*), *r* (*roi*), *s* (*soi*). Ellis, pp. 4—9.

xxii. In Latin it occurs only after *k* (or *q*), *g*, and *s*, e.g. *svavis*, *svadeo* (So in English *sweet*, *persuade*).

Compare however *tvos*, *fvit*, &c. § 92. After initial *l* and *r* it does not occur. In *salvus*, *servus* it was probably separately pronounced and hence the first syllable was long, whereas *aqua* has the first syllable short. A preceding *g* was expelled sometimes e.g. *nivis* for *nigvis*, *brevis* for *bregvis*, *fruo* for *frugvor*, &c. (§ 129. 2. 639). In other words the *v* was dropped (§ 640).

The Roman grammarians had similar perplexities to those mentioned in the passage quoted above. See Schneider, *Lat. Gr.* I. p. 329 sq.

On *k*, *c*, *q*. (Comp. § 57.)

xxiii. The names of the three consonants *k*, *c*, *q*, viz. *ka*, *ce*, *qu*, all representing the sharp guttural explosive, were pronounced with a different vowel. Compare this fact with the following. ‘*K* is formed by the silent contact and audible separation of the back of the tongue and the posterior part of the palate. The precise points of contact vary between the different vowels. Before the close lingual vowel *ee* (18th vowel) the position of the tongue is much further forward than before *ah* (2nd vowel) or *aw* (6th vowel). The tongue *could* articulate *k* from one uniform position before all the vowels, but there is a natural tendency to accommodate facility of utterance by these little changes which would require an effort to avoid.’ M. Bell, p. 217.

The Germans have similar modifications of the continuous consonant. *Ch* in *ach* is guttural, in *ich* is palatal, in *auch* is labial (Ellis, p. 206).

Close affinity of *i* and *j* (= *y*). (Comp. § 138. 144. 2.)

xxiv. 'The tongue in forming *y* is almost in the position for the vowel *ee*; just as in forming *w* the lips modify the voice almost to the quality of the vowel *oo*. The formative apertures are simply more close, so that *y* and *w* are articulated forms of the close vowel sounds *ee* and *oo*.

'*Y* before *ee* (18th vowel) presents an articulative difficulty. Many persons, especially in Scotland, entirely omit the *y* in that situation: thus we hear of an old man bending under the weight of *ears* instead of *years*.' M. Bell, p. 216.

On Palatalisation (§ 110. 4).

xxv. 'In pronouncing *j* (= Engl. *y*) the middle of the tongue is arched up against the palate; while for *k* the back and for *t* the tip of the tongue only come in contact with the palate. When then *kj* or *tj* come together rapidly, the first change is to produce a palatal modification of *k* and *t*. For there is an attempt to pronounce *k* and *j* simultaneously. Hence the back of the tongue still remaining in contact with the palate, the middle of the tongue is also raised, so that both back and middle lie against the palate. This is rather a constrained position, and consequently the back of the tongue readily drops. The result is the exact position for the palatal modification of *t*, which originating in an attempt to sound *t* and *j* simultaneously brought the tip and middle of the tongue to the palate, and this being almost an impossible position dropped the tip. The two consonants *k* and *t*, as palatally modified, are therefore ready to interchange. The passage from this modification of *t* to *tsh* (= Eng. *ch*) is very short and swift. But the organs of different speakers have different tendencies, and in some *s* or *sh* are more readily evolved than *tsh* from *t* palatally modified. It must be remembered that when the sound is thus spoken of as changing, it is not meant that it changes in the mouth of a single man from perfect *k* to perfect *tsh*. Quite the contrary. It probably required many generations to complete the change, and the transitional forms were probably in use by intermediate generations.' Ellis, pp. 204, 205.

On the change of *t* to *s* (§ 151. 2).

xxvi. The slight change requisite to convert *t* into *s* is seen in the following description of their formation.

'In forming *t* the edge of the whole tongue is laid against the

‘front and sides of the mouth so as perfectly to obstruct the breath. While the tongue is in this position, there must be a continued pressure of breath against it, and wherever an aperture is made by the removal of any part of the obstructing edge, the confined breath will be emitted with a degree of explosiveness more or less strong in proportion to the degree of its previous compression behind the tongue, and also in proportion to the abruptness with which the aperture is made.’ M. Bell, p. 199.

xxvii. ‘The peculiar mechanism requisite to produce the clear hissing sound heard in the letter *s*, is a single and very contracted aperture for the emission of the breath over the centre of the forepart (not the tip) of the tongue, when without much elevation from the bed of the lower jaw, it is closely approximated to the upper gum. The tongue is otherwise in contact with the teeth and gum so as to obstruct the breath at all parts but the point, which is sufficiently squared to prevent its touching the front teeth. The slightest projection of the tip brings it against the teeth, and by partially intercepting the breath at that point modifies the sound into that of *th*: and the least retraction of the tongue from the precise point of the true formation causes the middle of the tongue to ascend towards the arch of the palate, and modifies the current of breath into that of *sh*.’ M. Bell, p. 181.

On the change of *s* to *r*. (Compare § 183.)

xxviii. ‘The articulative position of *s* giving sibilation to vocalized breath, produces *z*, which differs in no wise from the oral action of *s*.

‘*r* as pronounced in England, differs from *z* merely in the narrowing and retraction of the point of the tongue. In Scotland, in Spain, and on the Continent generally, *r* receives a stronger vibration of the whole forepart of the tongue.’ M. Bell, pp. 53, 54.

On the pronunciation of *r* generally, see above § xiii.

Omission of *t* before *l* and *n*. (Comp. § 192. 1. 4.)

xxix. The following passage shews that the pronunciation of *t* is peculiar before *l* and *n*.

‘The correct articulative action of *t* is the removal of the whole tongue from the palate, allowing the breath to escape by a single frontal aperture. Such must always be the mechanism of *t* initial or final: but when the liquids *l* or *n* follow *t* in the same word, a

‘lateral explosion before *l*, and a nasal emission before *n* are the regular and necessary modes of finishing *t* in such cases. Thus in *fitly* and *fitness*, &c.: *batch*, *nettle*, *little*, &c., *batten*, *bitten*, *button*, &c., the point of the tongue is kept in contact with the front of the palate in forming the *tl*; and the whole tongue is retained in its obstructive position during the utterance of the *tn*.’ M. Bell, p. 200.

The interchange of *l* and *r*. (Comp. § 176. 7.)

xxx. ‘*r* and *l* are very liable to be confounded where they occur in proximate syllables. The vocal aperture for the former is over the point of the tongue, and for the latter over the sides of the back part of the tongue; and there is a difficulty in passing quickly from one to the other of these positions.’ M. Bell, p. 193.

Correspondence of Latin *f* to Greek *θ*. (Comp. § 99. 6.)

xxxi. The following passages deal with a confusion of *f* with the sharp dental fricative, which is the sound ordinarily given to the Greek *θ*, though, as stated in the text, probably not its real value, at least originally.

‘A faulty pronunciation of *th* consists in a movement of the lower lip inwards to meet the tongue. This gives so much of the character of *f* to this articulation that it is often difficult to know which is the letter intended. *F* and *Th* are mechanically much alike. The action of the lip for *f* is precisely analogous to that of the tongue for *th*. Both organs partially obstruct the breath by central contact with the teeth; and the breath is in both cases emitted through lateral interstices.’ M. Bell, p. 177.

‘When *f* and *th* are pronounced without any vowel, it is very difficult to distinguish them at a little distance.’ Ellis, p. 213.

APPENDIX B.

The following selection of inscriptions has been made in order to give specimens of the old forms of the language. They are arranged in chronological order, and have all (except No. 20) been taken from, and examined and re-examined on the proof sheets with, the facsimiles given in Ritschl's *Priscæ Latinitatis Monumenta*, and, in the case of No. 9, with that given in the *Corp. Inscr. Rom.* Vol. II. The explanations have been taken chiefly from Ritschl's preface and the *Corp. Inscr. Lat.*, edited by Mommsen (Vol. I., except when otherwise stated). The number of the inscriptions in *Corp. Inscr.*, as well as of Ritschl's plates, is added to facilitate reference. All these inscriptions are in the original in capital letters. The vertical strokes are used to denote the end of the line in the original; but in the modernisation they mark off the cæsura in the saturnian lines.

The blank spaces, and the omission or insertion of dots (to mark the end of the words), have been represented with tolerable fidelity. The dot is sometimes a dot proper (e.g. in iii. iv. xvii.), sometimes a square (e.g. in xiv. xxi.), sometimes a triangle (e.g. in ix. xxii.), sometimes a cross, or square with projecting corners (e.g. in xvi. xxiv.).

I.

Found in a sacred grove at Pisaurum in Picenum on stone. 'End of 5th century.' Ritschl and Mommsen.

Corp. I. R. 173. Ritschl, tab. XLIII. C.

iunone·re | matrona | pisaurese | dono·dedrot |

Iunoni reginæ matronæ Pisaurenses dono (donum?) dederunt.

II.

Do. on stone, end of 5th century. Ritschl and Mommsen.

Corp. I. R. 177. Ritschl, tab. XLIII. A.

matre | matuta | dono·diidro | matrona | m·cu
ria· | pola·liuia | deda |

Matri Matutæ dono (donum?) dederunt matronæ, mania Curia, Pola Livia deda (dedant, comp. πεφύκασσι).

The *m* before Curia is the old form with five strokes (see p. 23), for which in modern books *M*' is substituted.

III.

On a bronze tablet found at Firmum in Picenum, now in the Paris museum, 'of a date nearer to the oldest Scipio inscription than to the second.' Ritschl.

Corp. I. R. 181. Ritschl, tab. xcvi. A.

erentio . l . f	|	. aprufenio . c . f	|	l . turpilio . c . f	|
m . albanus . l . f	|	t . munatio . t . f	|	quaestores	|
aire . moltaticod	|	dederont	|		

Terentius, Lucii filius, Aprufenius Gaii filius, Lucius Turpilius Gaii filius, Marcus Albanus Lucii filius, Titus Munatius, Titi filius, quaestores ære multatico dederunt; i.e. from the produce of fines.

IV.

On a bronze tablet, first made known at Rome, but the place of finding is unknown.

Corp. I. R. 187. Ritschl, tab. ii. B.

m . mindios . l . fi	|	p . condetios . ua . fi	|	aidiles . uicesma .
parti	|	apolones . dederi	|	

Marcus Mindius Lucii filius, Publius Condetius, valesi (?) filius, ædilis vicesimam partem Apollinis dederunt, i.e. have offered Apollo's twentieth.

V.

On a small stone column found at Tusculum near the tomb of the Furii. 'A faithful copy of an original older than the Scipio inscriptions.' Ritschl.

Corp. I. R. 63. Ritschl, tab. xlix. B.

m . fourio . c . f . tribunos
militare . de . praidad . maurte . dedet .

Marcus Furius, Gaii filius, tribunus, militari de præda Marti dedit.

VI.

This and viii. xi. xiii. xiv. are all on stone and taken from the tombs of the Scipios near the Capene gate. This inscription is on L. Cornelius Scipio, son of Barbatus, Consul 495 U.C. 'It probably was written about 500 U.C.' Ritschl.

Corp. I. R. 32. Ritschl, tab. xxxviii. E. The additions in italics are from Ritschl's conjecture.

honcoino · ploirume · cosentiont · r	<i>omai</i>
duonoro · optumo · fuise · uiro	<i>virorum</i>
luciom · scipione · filios · barbati	
consol · censor · aidilis · hic · fuet · a	<i>pud vos</i>
<i>hec</i> · cepit · corsica · aleriaque · urbe	<i>m pugnandod</i>
<i>dedet</i> · tempestatebus · aide · mereto	<i>d votam.</i>

Arranged by Ritschl as Saturnian metre, as follows (except that the words are here modernised), the accents denoting the arses, and the vertical lines the cæsuras.

Hunc únun plúrimí con | séntiunt Római (i.e. Romæ)
bonórum óptimúm fu | isse virúm virórum,
Lucíum Scípíonem. | Fíliús Barbati
consúl, censór, ædilis | híc fúit apúd vós.
Hic cépit Córscitam Áleri | ámqúe urbém pugnándo;
dedít témpestátibus | aédem mérito vótam.

VII.

On a bronze tablet fixed to a wall at Tibur in Latium. 'Probably at end of 5th century when the final -as was giving place to -us.' Ritschl. The inscription on the second side is probably a little later than on the first.

Corp. I. R. 62. Ritschl, tab. xcvi. B.

on one side, c · placentios · her · of · | marte · sacr om · |
 on the other side, c · placentius · her · f | marte donu · dede |

Gaius Placentius, Herii filius. Marti sacrum.
Marti donum dedit.

(The small rounds are probably marks of nails.)

VIII.

On L. Cornelius Scipio Barbatus, Consul 456. 'The inscription dates not later than 520 U.C.' Ritschl.

Corp. I. R. 30. Ritschl, tab. xxxvii. B.

cornelius · lucius · scipio · barbatus · gnai · uod
 · patre | prognatus · fortis · uir · sapiensque — quouis · forma ·
 uirtutei · parisuma | fuit — consol · censor · aidilis · quei · fuit ·
 apud · uos — taurasia · cisauna | samnio · cepit — subigit · omne
 · loucanam · opsidesque · abdoucit · |

*Cornélius Lucius | Scípió Barbátus,
Gnæo patrē prognátus | fórtis vír sapiénsque,
Cujús fórma vírtu | tí paríssuma fuit,
Consúl, censor, ædilis | quí fuit apúd vós
Taurásiám Cisaunam | Sámniúm cépit
Subigít omném Lucaniam, óbsidésque abducit.*

Mommsen considers *Samnio* to be the ablative, *Taurasia* and *Cisauna* being towns 'in Samnium.' *Lucanam* sc. *terram*, i.e. *Lucaniam*

IX.

On a bronze plate found in the mountains of Gibraltar near Alcala de los Gazules by a Polish engineer in A.D. 1867. Published in facsimile and with Commentaries by E. Hübner and Mommsen, *Hermes*, III. 243 sq. Decree made 565 U.C., and inscription is probably of this date.

Corp. I. R. II. No. 5041.

*laimilius . l . f . inpeirator . decreiuit | utei . quei . hasten
sium . seruei | in . turri . lascutana . habitarent | leiberei . es
sent . agrum . oppidumqu | quod . ea . tempestate . posedisent |
item . possidere . habereque | iousit . dum . poplus . senatus
que | romanus . uellet . act incastreis | ad . xii . k . febr*

L. Æmilius, Lucius' son, general, decreed that such slaves of the people of Hasta as dwelt in the tower of Lascuta should be free. With regard to the land and town which they had possessed at that time, he ordered them to continue to possess and hold it so long as the people and senate of Rome should will. Done in the camp 19 January.

This inscription though of the same age as the *S. C. de Bacanalibus* is not so antique in spelling, probably owing to the more formal legal nature of the *S. C. de Bac.*

The *ei* in *inpeirator* appears to be an inscriber's blunder. This inscription affords the earliest instance of doubled letters, e.g. *essent*, *uellet*. Cf. § 58. Ritschl has discussed the peculiarities in his *Neue Plautinische Excursus*, 1st Heft. 1869, p. 16 n.

X.

On bronze, found at Tiriolo a village in the country of the Bruttii.

Supposed to be written at the time of the event referred to, i.e. 568 A.U.C. See Liv. XXXIX. 8—19. Cic. *Leg.* II. 15, § 37.

Corp. I. R. 196. Ritschl, tab. XVIII.

*marcius . l . f . s . postumius . l . f . cos . senatum . consoluerunt .
n . octob . apud . aedem | duelonai . sc . arf . m . claudi . m . f . l .
ualeri . p . f . q . minuci . c . f . de . bacanalibus quei . foideratei |*

esent . ita . exdeicendum . censuere . neiquis . eorum . sacanal .
 habuisse . uelet . sei . ques | esent . quei . sibi . deicerent nece
 sus . ese . bacanal . habere . eeis . utei . ad . pr . urbanum | ro
 mam . uenirent . dequeeeis . rebus . ubei . eor m . utr a . audita .
 esent . utei . senatu~~a~~ | noster . decerneret . dum . ne . minus .
 senator bus . c . adese*pit* . rescosoleretur | bacas . uir
 . nequis . adiese . uelet . ceiuis . romanus . neue . nominus . latin
 neue . socium | quisquam . nisei . pr . urbanum . adie . sent . is
 que . e . senatuos . sententiad dum . ne | minus . senatoribus
 . c . adesent . quom . ea . res . cosoleretur . iousisent ce suere
 | sacerdos . nequis . uir . eset . magister . nequeuir . neque .
 mulier . quisquam . ese . t | neuepecuniam . quisquameorum
 . comoin abuisse . ue et neue . magistratum | neue . promagi
 stratuo . neque . uirum ier . em quiquam . fecise . uelet |
 neue . post hac . inter . sed . conioura e . comuouise .
 neue . conspondis . e | neue . conprome . siseuelet . neue . quis
 quamfidem inter . sed . dedise . uelet | sacra . in . dquol
 tod . ne quisquam . fecise . uelet . neue . in . poplicod . neue . in |
 preiuatod . neue . extrad . urbem . sacra . quisquam . fecise .
 uelet . nisei | pr . ur anum . adieset . isque . de . senatuos .
 sententiad . dum . ne . minus | senatoribus . c . adesent .
 quom . ea . res . cosoleretur . iousisent . censuere | homines .
 plous . u . oinuorsei . uirei . atque . mulieres . sacra . ne . quis
 quam | fecise . uelet . neue . inter . ibei . uirei . pl~~us~~us . duobus .
 mulieribus . ploustribus | arfuisse . uelent . nisei . de . pr . urbani .
 senatuosque . sententiad . utei . suprad | scriptum est . haice .
 utei . in . couentinoid . exdeicatis . ne . minus . trinum | noun
 dinum . senatuosque . sententiam . utei . scientes . esetis .
 eorum . | sententia . ita . fuit . sei . ques . esent . quei .
 aruorsum . ead . fecisent quam . suprad | scriptum . est . eeis .
 remcaputalem . faciendam . censuere atque . utei | hoc .
 in . tabolam . ahenam . inceideretis . ita . senatus . ai quom . cen
 suit | uteique . eam . figier . ioubeatis . ubei . fa~~ci~~lumed .
 gnoscierpotisit . atque | utei . ea . bacanalia . sei . qua . sunt
 . extrad . quam . sei . quid . ibei . sacri . est | ita . utei . suprad
 . scriptum . est . in . diebus . x . quibus . uobeis . tabelai . datai |
 erunt . faciatis . utei dismota . sient in . agro . teurano |

The letters in italics are such as appear from the facsimile to be
 those inscribed. But in line 6 *nt* would be very nearly right for
pit. In the 12th and 13th lines I have omitted some letters, which
 have been supplied on a modern insertion in the broken plate.

Q. Marcius, Lucii filius, Spurius Postumius, Lucii filius consules senatum consuluerunt nonis Octobribus apud ædem Bellonæ. Scribendo adfuerunt M. Claudius, Marci filius, L. Valerius, Publii filius, Q. Minucius, Gaii filius.

De Bacchanalibus qui fæderati essent ita edicendum censuere: (i.e. decreed the issue to those who were in league with the Romans, of a proclamation in the matter of the feasts of Bacchus) nequis eorum Bacchanal habuisse vellet. Siqui essent, qui sibi dicerent necesse esse Bacchanal habere, ei uti ad prætorem urbanum Romam venirent, deque eis rebus, ubi eorum verba audita essent, uti senatus noster decerneret, dum ne minus senatoribus centum adessent, quum ea res consuleretur. Bacchas vir nequis adiisse vellet civis Romanus, neve nominis Latini, neve sociorum quisquam, nisi prætorem urbanum adiissent, isque de senatus sententia, dum ne minus senatoribus centum adessent, quum ea res consuleretur, jussisset.

Censuere, sacerdos nequis vir esset: magister neque vir neque mulier quisquam esset: neve pecuniam quisquam eorum communem habuisse vellet, neve magistratum, neve pro magistratu neque virum neque mulierem quisquam fecisse vellet. Neve posthac inter se conjurasse neve convovisse, neve conspondisse, neve compromisisse vellet, neve quisquam fidem inter se dedisse vellet. Sacra in occulto nequisquam fecisse vellet, neve in publico, neve in privato, neve extra urbem sacra quisquam fecisse vellet, nisi prætorem urbanum adiisset, isque de senatus sententia dum ne minus senatoribus centum adessent, quum ea res consuleretur, jussisset.

Censuere, homines plus quinque universi, viri atque mulieres sacra ne quisquam fecisse vellet, neve interibi viri plus duobus, mulieribus plus tribus, adfuisse vellent, nisi de prætoris urbani senatusque sententia, uti supra scriptum est (i.e. that not more than five persons in all men and women, celebrate the rites, that the five should be two men, and three women. quisquam is in apposition to homines).

Hæc uti in contione exdicatis ne minus trinum nundinum (i.e. not less than three assembly days); senatûsque sententiam uti scientes essetis. Eorum sententia ita fuit: siqui essent qui advorsum ea fecissent, quam supra scriptum est, eis rem capitalem faciendam censuere.

Atque uti hoc in tabulam abenam incideretis: ita senatus æquum censuit;

Utique eam figi jubeatis, ubi facillume nosci possit;

Atque uti ea Bacchanalia, siqua sunt, extra quam si quid ibi sacri est, ita uti scriptum est, in diebus decem, quibus vobis tabellæ datæ erunt, faciatis uti dimota sint. In agro Teurano.

The document is evidently a letter (*tabellæ*) from the consuls to the local magistrates conveying to them a copy of (as Mommsen

thinks, part only of) the decree of the senate, an intimation of the penalty which the senate ordered for a transgression of it, and directions for its publication.

XI.

On the son of P. Scipio Africanus major. Augur 574 A.U.C. 'End of 6th century U.C.' Ritschl. There is a vertical fracture in the middle of the stone, occasioning a loss of several letters.

Corp. I. R. 33. Ritschl. tab. xxxix. F.

quei·apiceinsigne·dial amins·gesistei |
 mors·perfe tua·ut·essent·omnia |
 breuia · hor os·fama·uirtusque |
 gloria·atque·in·genium·quibus·sei |
 in·longa·licu set·tibe utier·uita |
 fa·cile·factei superases·gloriam |
 maior·um qua·re·lubens·te·ingremiu |
 scipio·recip t ·terra·publi |
 prognat·um·publio·corneli |

*Qui ápicem insígnem diális | fláminis gessísti,
 mors pérfecit tua ut | éssent ómnia brévia:
 bonós famá virtúsque | glória átque ingénium,
 quibús si in lónge licuis | sét tibi útier (i.e. uti) víta
 fácilé factís superásses | glóriám majórum.
 Quaré lubéns te in grémium, | Scípió, récipit
 Terrá, Publi, prognátum | Públió Cornéli (i.e. Cornelio).*

XII.

On stone at Sora. 'Not later than 620 A.U.C., perhaps more probably at the very beginning of the century.' Ritschl.

Corp. I. R. 1175. Ritschl. tab. LII. A.

a·p·uertuleieis·c·f. |
 quod·re·sua·d eidens·asper |
 afleicta · parens·timens |
 heic·uouit·uoto·ho c |
 solut cuma·facta |
 polouctaleibereis·lube |
 te s donu·danunt. |
 hercolei·maxsume. |
 mereto semol·te |
 orant·se·oti·crebro |
 condemnes. |

Marcus Publius Vertuleii, Gaii filii
Quod ré suâ diffidens | aspere afflicta
Paréns timéns hic vóvit, | vóto hóc solúto,
Decumá factá pollúcta, | liberí libéntes
Donúm danúnt (i.e. dant) Hérculi | máximé mérito
Simúl te oránt se vóti | crébro cóndémnes.

XIII.

Uncertain which Scipio is meant. 'At beginning of 7th century U.C.' Ritschl.

Corp. I. R. 34. Ritschl. tab. XLI. Ka.

l·cornelius·cn·f·cn·n·scipio· magna·sapiencia |
 multasque·uirtutes·aetate·quom·parua |
 posidet·hoc·saxsum·quoiei·uita·defecit·non |
 honos·honore·is·hic·situs·quei·nunquam |
 uictus·est·uirtutei·annos·gnatus·xx·is |
 d ei·s datus·ne·quair·atis·honore |
 queiminus·sit·mand u

Lucius Cornelius, Gnaei filius, Gnaei nepos, Scipio.
magnám sapiéntiám mul|tásque vírtútes
aetate cúm pârva | póssidét hoc sáxum.
quoiei (i.e. cui) vitá defécit, | nón bonós, bonórem.
Is híc sitús. Qui núnquam | víctus ést virtúte
annós natús viginti | is Diti ést mandátus:
ne quaératis bonórem | químinus sit mandátus.

In the words *bonos honorem* the first denotes *honour*, the second *office*. 'In whose case life, not worth, fell short of official post.' The last line means, *seek not for official post which was not given him*.

XIV.

On three stones. 'At beginning of 7th century, latest of all the Scipio inscriptions.' Ritschl.

Corp. I. R. 38. Ritschl, tab. XLII. L.

Inscription on Cn. Scipio Hispanus who was prætor 615 U.C.

cn·cornelius·cn·f
 111 111 scipio·hispanus |
 11 pr·aid·cur·q· tr·mil·II·xuir·sl·iudik |
 x·uir·sacr·fac·p |
 uirtutesgeneris mieismoribusaccum auz
 progeniemigenuifactapatrispetiei
 maiorum optenuilaudem ut sibeime ess ecreatum
 laetentur stirpem nobilitauithon or

There are three blocks of stone, on the 2nd and 3rd of which this inscription is written. The first has only one stroke to number it but nothing else. The second has two strokes on the left side and three strokes on the right, apparently to shew where it was to fit to the 3rd tablet, which has also three strokes. The space just before the end of the verses is apparently due to a miscalculation on the part of the stone-cutters.

Gnæus Cornelius, Gnæi filius, Scipio Hispanus, prætor, ædilis, curulis, quæstor, tribunus militum bis, decemvir litibus judicandis, decemvir sacris faciundis.

*Virtutes generis meis moribus accumulavi,
progeniem genui, facta patris petii,
majorum obtinui laudem, ut sibi me esse creatum
latentur; stirpem nobilitavit honor.*

Mommsen considers the beginning of the second line is *progenie mi*, and that *progenie* is a dactyl (cf. Lachm. ad Lucr. II. 991); but?.

These are according to Ritschl the oldest Latin elegiac verses.

XV.

On stone upon Mt. Cælius at Rome. 'Between 608 and 620 A.U.C. but nearer to the latter than the former.' Ritschl.

Corp. I. R. 541. Ritschl, tab. LI. A.

l. mummi. l. f. cos. duct | auspicio. imperioque | eius. achaia
capt. corinto | delete. romam. redieit | triumphans. ob. hasce |
res. bene. gestas. quod | in. bello. uouerat | hanc. aedem. et
.signu | herculis. uictoris | imperator. dedicat |

Lucius Mummius, Lucii filius consul. Ductu auspicio imperioque eius Achaia capta, Corinto delete, Romam rediit triumphans. Ob hasce res bene gestas, quod in bello uouerat, hanc ædem et signum Herculis uictoris imperator dedicat.

XVI.

On stone at Aletrium. 'Shortly after 620 A.U.C.' Ritschl.

Corp. I. R. 1166. Ritschl, tab. LII. B.

l. betilienus. l. f. uarus | haec. quae. infera. scripta | sont
.de. senatu. sententia | facienda. coirauit. semita | in. oppido
.omnis. porticum. qua | in arcem. eitur. campum. ubi | lu
dunt. horologium. macelum | basilicam. calecandam. sedes |

cum · ba · linearium · lac · um · ad | ortam · aquam · in · opi
dumadqu | arduom · pedes · CCCX^ψ · fornicesq | fecit · fistulas ·
soledas · fecit | ob · hasce · res · censorem · fecere · bis | sena
tus · filio · stipendia · mereta | ese · iousit · populusque · sta
tuam | donauit · censorino |

A letter or two has been broken away at the beginning of the 9th and 10th lines (of the original).

Lucius Betilienus, Lucii filius, Varus hæc, quæ infra scripta sunt, de senatus sententia facienda curavit, semitas in oppido omnes, porticum qua in arcem itur, campum ubi ludunt, horologium, macellum, basilicam calcandam (chalking), sedes, lacum balnearium, lacum ad portam, aquam in oppidum adque arduum (i.e. ad arcem) pedes CCCXL fornicesque fecit, fistulas solidas fecit. Ob hasce res censorem fecere bis senatus, filio stipendia merita esse jussit, populusque statuam donavit Censorino (i.e. under the name of Censorinus, because he had been twice Censor).

XVII.

On stone. At Polla in Lucania. 622 A.U.C.

Corp. I. R. 551. Ritschl, tab. LI. B.

uiam · fecei · ab · regio · ad · capuam · et | in · ea · uia · ponteis ·
omneis · miliarios | tabelariosque · poseiuei · hince · sunt |
nouceriam · meilia · ^ψI · capuam · XXCIII | muranum · ^ψXXIII ·
cosentiam · CXXIII | ualentiam · C^ψXXX■ · ad · fretum · ad
statuam · CCXXXI■ · regium · CCXXXVII | suma · af · capua ·
regium · meilia · CCCXXI■ | et · eidem · prae tor · in
sicilia · fugiteiuos · italicorum | conquaeisiue i · redideique |
homines · DCCCCXVII · eidemque | primus · fecei · ut · de · agro ·
poplico | aratoribus · cederent · paastores | forum · aedisque ·
poplicas · heic · fecei

The XXI in the 6th line (as here printed) are in the original written under the CCC and in the next line.

The black squares are marks of the erasure of some figures by the stonecutter.

This relates to P. Popillius C. F. Lænas, consul 622 A.U.C. (Mommsen, Ritschl.)

I made the road from Rhegium to Capua, and on that road placed all the bridges, milestones and letter-carriers. From here to Nuceria 51 miles; to Capua 84 miles; to Muranum 74 miles; to Consentia

123 miles; to *Valentia* 180 miles; to the strait up to the statue 231 miles; to *Rbegium* 237 miles. Total from *Capua* to *Rbegium* 321 miles. And I the same man, when praetor in *Sicily*, recovered the runaway slaves of the *Italians*, and restored the men in number 917. And I the same was the first to make the shepherds give up the public land to the farmers, and I erected a public building here.

The two following inscriptions are on boundary stones erected by the land commissioners under the Sempronian law of *Tiberius Gracchus*.

XVIII.

A.U.C. 622-23. Corp. I. R. 552.
Ritschl, p. 49.

c · s · npr
ap · claudius · c · f · polc
plicinius · p · f · cras
III · vir · a · i · a

XIX.

A.U.C. 624-25. Corp. I. R. 554.
Ritschl, tab. LV. Ca.

m · foluius · m · f · ac
c · sempronius · ti · f · grac
c · paperius · c · f · carb
III · uire · a · i · a

The gap in the first line of each inscription is occasioned by the stones being broken. The first *m* in 18 is imperfect.

18. *C. Sempronius, Tiberii filius, Gracchus*
Ap. Claudius, Gaii filius, Pulcer
P. Licinius, Publii filius, Crassus
Tres viri agris iudicandis assignandis.

In the later pillar *M. Fulvius Flaccus* and *C. Papirius Carbo* are joined with *C. Gracchus*.

XX.

On bronze, found at *Tibur*. Not now extant. 'About the middle of the 7th century,' Mommsen. Ritschl thinks it may have been written in A.U.C. 595, supposing *L. Cornelius* to have been *L. Corn. Lentulus*, consul in 598, but at any rate before 631.

Corp. I. R. 201. See Ritschl, tab. XLVIII. G, where only a line or two are given copied from *Piranesi*. [N.B. I have not noted the spaces in this inscription.]

l · cornelius · cn · f · pr · sen · cons · a · d · III · nonas · maias ·
sub · aede · kastorus | scr · adf · a · manlius · a · f · sex · iulius · l ·
postumius · s · f · | quod · teiburtes · u · f · quibusque · de · rebus ·
uos · purgauistis · ea · senatus | animum · aduortit · ita · ut ei ·

aequom · fuit · nosque · ea · ita · audiueramus | ut · uos · deixsis
tis · uobeis · nontiata · esse · ea · nos · animum · nostrum | non ·
in · doucebamus · ita · facta · esse · propter · ea quod · scibamus |
ea · uos · merito · nostro · facere · non · potuisse · neque · uos ·
dignos · esse | quei · ea · faceretis · neque · id · uobeis · neque ·
rei · poplicae · uostrae | oitile · esse · facere · et · postquam ·
uostra · uerba · senatus · audiuit | tanto · magis · animum · no ·
trum · indoucimus · ita · utei · ante | arbitrabamur · de · eieis ·
rebus · af · uobeis · peccatum · non · esse | quonque · de · eieis ·
rebus · senatuei · purgati · estis · credimus · uosque | animum ·
uostrum · indoucere · oportet · item · uos · populo | romano ·
purgatos · fore

Lucius Cornelius, Gnæi filius prætor senatum consuluit ante diem tertium nonas maias sub æde Castoris. Scribendo adfuerunt Aulus Manlius Auli filius, Sextus Julius, Lucius Postumius Spurii filius.

Quod Tiburtes verba fecerunt, quibusque de rebus vos purgavistis, ea senatus animum advertit, ita uti æquum fuit. Nosque ea ita audiueramus, ut vos dixistis vobis nuntiata esse. Ea nos animum nostrum non inducebamus ita facta esse, propterea quod scibamus ea vos merito nostro facere non potuisse, neque vos dignos esse, qui ea faceretis, neque id vobis neque reipublicæ vostræ utile esse facere. Et postquam vestra verba senatus audiuit, tanto magis animum nostrum inducimus, ita uti ante arbitrabamur de eis rebus a vobis peccatum non esse. Cumque de eis rebus senatui purgati estis, credimus, vosque animum vestrum inducere oportet, item vos populo romano purgatos fore.

XXI.

On stone, found at Capua. 646 A.U.C. Ritschl.

Corp. I. R. 565. Ritschl, tab. LXIII. A.

n · pumidius · q · f	m · raecius
m · cottius · m · f	n · arrius · m · f
m · eppilius · m · f	l · ieioleius · p · f
c · antrac · ius · c · f	c · tuccius · c · f
l sempronius · l · f	q · uibius · m · f
p · cicereius · c · f	m · ualerius · l · f · 2m

heisce · magistreis · uenerus · iouiae · muru |
aedificandum · coirauerunt · pedccvxxet |
loldos · fecerunt · ser · sulpicio · m · aurelio · cof

The last *m* of *murum* has had to be written in the line above, the mark 2 is used here as we should use [. *cof* is a mistake for *cos*.

Hi magistri Veneris Joviae murum ædificandum curaverunt pedes CCLXX (i.e. 270 feet long) et ludos fecerunt, Servio Sulpicio Marco Aurelio consulibus.

The 'magistri' appear to have been the town council.

XXII.

On stone, found at Aeclanum 'circiter 664 U.C.,' Ritschl.

Corp. I. R. 1230. Ritschl, tab. LXX. C.

c · quinctius · c · f · ualg · patron · munic
m · magi · min · f · surus · a · patlacius · q · f
III · uir · d · s · sportas · turreis · moiros
turreisque · a · equas · qum · moiro
faciundum · coirauerunt

*C. Quinctius, Gaii filius, Valgus patronus municipii,
M. Magius, Minatii filius, Surus, A. Patlacius, Quinti filius,
Quattuor viri de senatus sententia portas, turres, muros,
turresque æquas cum muro faciundum curaverunt.*

'faciundum' is carelessly put for 'faciundas.' The *c* is almost a *g*.

XXIII.

On bronze, found in the ruins of the temple of Saturn at foot of the Tarpeian mount at Rome. Sulla's law *de XX. quaestoribus* A.U.C. 673 (674, Ritschl). Cf. Tac. *Ann.* II, 22.

Corp. I. R. 202. Ritschl, tab. XXIX.

q · urb · quei · aerarium · prouinciam · optinebit · eam |
mercedem · deferto · quaestorque · quei · aerarium · prouin
ciam | optinebit · eam · pequniam · ei · scribae · scribeisque ·
herediue | eius · soluito · idque · ei · sine · fraude · sua ·
facere · li · ceto · quod | sine · malo · pequlatu · fiat · olleis
que · hominibus · eam | pequniam · capere · liceto
| cos · quei · nunc · sunt · iei · ante · k · decembreis · primas · de ·
eis · quei | ciues · romanei · sunt · uiatorem · unum · legun
to · quei · in | ea · decuria · uiator · appareat · quam ·
decuriam · uiatorum | ex · noneis · decembribus · primeis
· quaestoribus · ad · aerarium | apparere · oportet · oportebit ·

A part only of the law has been preserved: the above is the first two sections of what has been preserved.

He shall report the salary to the city quæstor, who shall have the treasury as his department, and the quæstor who shall have the treasury department shall pay the money to the clerk and clerks and his heir, and it shall be lawful for him to do so without incurring any risk, so far as it is done without dishonest embezzlement, and it shall be lawful for the men to receive the money.

The present consuls shall before the first of December next choose a messenger from those who are Roman citizens, to act as the messenger in that detachment of messengers which is or shall be bound to attend the quæstors at the treasury after the seventh December next (i.e. the day on which the quæstors entered on office).

XXIV.

On stone, at Rome on the Appian road. 'Of the age of Sulla,'
Ritschl.

Corp. I. R. 1006. Ritschl, tab. LXIX. D.

hoc · est · fac · tum · monumentum
maarco · caicilio
hospes · gratum · est · quom · apud
meas · restitistei · seedes
bene · rem · geras · et · ualeas
dormias · sine · cura

*Hoc ést factúm monuméntum | Márcó Caecílio.
Hospés, gratum ést cum apúd meas | réstitísti sédes.
Bene rém gerás et váleas: | dórmíás sine cúra.*

XXV.

A leaden plate, formerly doubled, found about 500 paces from Rome on the left-hand of the Latin road among the tombs. 'Written at the end of the republic or in the Augustan time.' Mommsen. The formation of the letters is very rough, as that of a person writing hastily on an unyielding material. N.B. The first three letters project in the original. I have not noted the spaces at end of lines.

Corp. I. R. 818. Ritschl, tab. XVII. 30.

quomodomortuos qui · istic | supultus iust · nunc · loqui |
nunc · surmonari potuit · nunc · | rhodini · apud · m · licinium |
faustum · mortua sit · nunc | loqui · nunc surmonari pos · sit | ita
uti · mortuos · nunc · adducos | nunc · ad hominus accipitus · iust |
siurhodini · aput · m · licinium | accipitasit iustantum ualuat |
quant · um illi · mortuos qui | isticsupultus iust · ditupatur ·

rhodinū | tibū · commūdo · uti · sumpit | odio sit · m · licin
 io fausto | itū · mūdium amphionū | itū c · popillium a
 pollonū | itū uinnonia · hūmōna | itū surgia glycin
 na

In the first line on this page the *nu* in *Rhodine* is in the original written below (as in XVII). The double *i* is an old form of the letter *E* (see § 226). So *suc* is *scic*, i.e. *sic*. In the original, of course, no *i* has a dot, but they are often tall, without reference to the quantity.

As he is dead who is buried there, and can neither speak nor discourse, so may Rhodine at M. Licinius Faustus' house be dead, and not be able to speak or discourse. So as he being dead has been received neither to the gods nor to men, so may Rhodine at M. Licinius' be received and have as much strength (or be good for as much) as the dead man who is buried there. Father Ditis I commend to thee Rhodine, that she may ever be hateful to M. Licinius Faustus.

Likewise (I commend to thee) Marcus Hediū Amphion. Likewise Gaius Popillius Apollonius. Likewise Vennonia Hermiona. Likewise Sergia Glycinna.

N.B. The name of Rhodine occurs thrice to make the imprecation effective.

XXVI.

On bronze, found at Heraclea. Lex Julia municipalis, 709 U.C.
 Corp. I. R. 206. Ritschl, tab. XXXIII.

(Two sections only are given here: a considerable number are extant.)

quae · uiae · in · urbem · rom · propiusue · u · r · p · q · ubei · con
 tinente · habitabitur · sunt · erunt · quouis · ante · aedificium ·
 earum · quae | uiae · erunt · is · eam · uiam · arbitrato · eius ·
 aed · quoi · ea · pars · urbis · h · l · ob · uenerit · tueatur · isque · aed
 · curato · uti · quorum | ante · aedificium · erit · quamque ·
 uiam · h · l · quemque · tueri · oportebit · ei · omnes · eamuiam ·
 arbitrato · eius · tueantur · neue eo | loco · ao · consistat · quomi
 nus · conmode · populus · ea · uia · utatur

| aed · cur · aed · pl · quei · nunc · sunt · quei · quomque · post ·
 h · l · r · factei · createi · erunt · eumue · mac · inierint · iei ·
 indiebus · v · proxumeis | quibus · eo · mac · designatei · erunt ·
 eumue · mag · inierint · inter · se · paranto · aut · sortiunto · qua ·
 inpartei · urbis · quisque | eorum · uias · publicas · in · urbem
 · roma · propius · ue · u · r · p · m rci ciundas · sternendas · curet ·

eiusque . rei . procurationem | habeat . quae . pars . quoique .
aed . ita . h . l . ob . uenerit . eius . aed . ineis . locis . quae . in ea .
partei . erunt . uiarum . reficien | darum . t . uemdarum .
procuratio . esto . ut ei . h . l . oportebit

The c in mac might be read g.

With regard to the roads which are or shall be into the city of Rome, or nearer to the city of Rome than 1000 paces (p.q. is a mistake for p.m. i.e. passus mille: there is a correction in the plate), where the dwellings shall be continuous, the person, before whose house any of the said (earum) roads shall be, must protect such road according to the discretion of the ædile on whom that part of the city shall by this law have devolved; and such ædile shall take care that all such persons, before whose house it shall be, shall protect at his discretion the road which (the que in quamque is really superfluous) by this law they shall severally be required to protect, and shall take care that water (ao mistake for aqua) do not settle in the place so as to inconvenience people using the road.

The curule ædiles, the ædiles of the commons, both those now and whosoever shall after the proposal of this law (post hanc legem rogatam) have been made, or created or shall have entered on that office, shall within the five next ten days after that they shall have been elected to (lit. marked with) that office, or shall have entered on that office, prepare or settle by lot among themselves in what part of the city each of them shall see to the reparation and paving of the public roads into the city of Rome (roma for romam) or nearer to the city of Rome than 1000¹ paces, and have the charge of the matter. The ædile to whom any² part of the city shall thus by this law be assigned shall be charged, as shall be incumbent by this law, with the reparation and protection of the roads in such places as shall be in that part.

¹ The letter for 1000 in Ritschl's facsimile is blurred so as to be illegible.

² Literally, *the persons before whose house it shall be and the road which, &c. ; the part which and the ædile to whom, &c.*

XXVII.

On stone, found at Rome. 'At end of Republic,' Mommsen Ritschl.

Corp. I. R. 1009. Ritschl, tab. LXXXI.

eucharis . liciniae . l

docta . erodita . omnes artes . uirgo . uixit . an . xiiii
heus . oculo . errante . quei . aspicias . lēti . domus
morare . gressum . et . titulum . nostrum . perlege
amor . parenteis quem . dedit . natae . suae

ubei se·reliquiae conlocarent·corporis
 heic uiridis·aetas·cum·floreret·artibus
 crescente·etae·uo·gloriam·conscenderet
 propirauit·hóra·tristis·fatalis mea
 et denecauit·ultra ueitae spiritum
 docta·erodita·paene·musarum·mam
 quae·modo·nobilium·ludos·decorauichoro
 et·graeca·inscaena·prima·populo·apparui
 en·hoc·intumulo·cinerem·nostri·corporis
 infistae·parcae·deposierunt·carmine
 studium patronae·cura·amor·laudes·decus
 silent·ambusto·corpore·et·leto·tacent
 reliqui·fletum nata·genitori·meo
 et·antecessi·genita·post·leti·diem
 bis·hic·septeni·mecum·natales dies
 tenebristenentur·ditis·aeterna domu
 rogo·ut·discedens·terr·am·mihi dicas·*leuem*.

The letters printed in italics are supplied from (as is believed) a transcription previous to the breaking of the stone. See Mommsen.

Two words, *leti*, *hora*, exhibit the apex, § 59 (3).

Some of the peculiarities are due merely to careless inscribing. Thus 7. *propiravit* for *properavit*; 9. *denecavit* for *denegavit*; 14. *infistæ* for *infestæ*.

In line 18 *genita post* should be taken together; *though born later, I preceded the day of their death*.

APPENDIX C.

DEGREES OF NOUNS ADJECTIVE.

i. From many adjectives two derivative adjectives are formed in order to denote the degree of the quality expressed by them. The simple form is called the *positive*. The *comparative* expresses a higher degree of the quality in a comparison of two things or persons. The *superlative* expresses a higher degree in a comparison of more than two things or persons; as, *dūrus*, *hard*, *dūrior*, *harder*, *dūrissimus*, *hardest*.

The comparative is sometimes used to express that the quality is possessed in *too high* a degree.

The superlative is sometimes used to express that the quality is possessed in a *very high* degree.

ii. Ordinary formation of Comparative and Superlative.

These derivative adjectives are formed from the positive as follows. (For a more accurate mode of statement see §§ 755, 917.)

1. The comparative is formed by adding *ior* (for the nom. sing. masc. and fem.) to the last consonant of the stem; i.e. by changing the inflexion *i* or *is* of the genitive into *ior*.

2. The superlative is formed by adding *issimus* to the last consonant of the stem; i.e. by changing the inflexion *i* or *is* of the genitive into *issimus*. Thus,

<i>dūr-us</i> ,	gen. <i>dūr-i</i> ,	comp. <i>dūr-ior</i> ,	superl. <i>dūr-issimus</i> .
<i>trist-is</i> ,	gen. <i>trist-is</i> ,	comp. <i>trist-ior</i> ,	superl. <i>trist-issimus</i> .
<i>felix</i> (<i>felic-s</i>),	gen. <i>felic-is</i> ,	comp. <i>felic-ior</i> ,	superl. <i>felic-issimus</i> .

Some adjectives form their superlative by doubling the last consonant of the stem and adding *imus*. These are

(a) Adjectives with stems ending in *ōro* or *ōri*, the *e* being omitted or retained, as in the positive, § 347.

pulcher, comp. *pulchr-ior*, superl. *pulcher-rīmus*.

So *niger*, *piger*, *rāber*, *tāter*, *vāfer*: *acer*, *celēber*, *sālūber*.

asper, *aspērior*, *asperrīmus*.

So *cēler*, *dexter* (also rarely superl. *dextīmus*), *liber*, *miser*, *pauper*, *tēner*, *ūber*. Also

<i>vētus</i>	no comp.	<i>vēterrīmus</i>
<i>prospērus</i>		<i>prosperrīmus</i>
<i>sinister</i>	<i>sinisterior</i>	(<i>sinistīmus</i> only in augurial language)
no positive	<i>dētērior</i>	<i>deterīmus</i>
<i>nūpērum</i> (acc. Plaut. once)	<i>nūpērior</i>	no superl.

mātūrus has *mātūr-rīmus*, as well as the more common form *mātūrissimus*.

(*sincērus*, *austērus*, *procērus*, *sevērus* have superl. in *issimus*.)

(b) The following adjectives whose last stem consonant is *i*; *facilis*, *easy*; *similis*, *like*; *difficilis*, *difficult*; *dissimilis*, *unlike*; *gracilis*, *thin*, *slender*; *humilis*, *low*; as, *facil-is*, *facil-līmus*. (*Imbecilis* has *imbecillissimus*.)

The vowel preceding *mus* in superlatives was in the older language (including Cicero) *ū* not *i*; thus, *dūrissūmus*, *facillūmus*, *pulcherrūmus*. So almost always in præ-Augustan inscriptions.

iii. Irregular or defective adjectives (besides those named in 2. a).

1. The following are either deficient in the positive degree or form their comparative and superlative irregularly or from a different stem:

Positive.	Comp.	Superl.
bōnus, <i>good</i>	mēlior	optīmus
mālus, <i>bad</i>	pēior	pessīmus
magnus, <i>great</i>	māior	maxīmus
parvus, <i>small</i>	mīnor	{ mīnīmus (parvissī- mus, Varr., Lucr.)
multus, <i>much</i>	{ plūs (neut. cf. § 432)	plūrīmus
nēquam (indecl.), <i>wicked</i>	nēq̄vior	nēqvīssīmus
dives } <i>rich</i> dis }	{ divītiōr dītior	{ divītīssīmus (Cic.) dītīssīmus (Aug. and post-Aug.) (nātu maxīmus)
sēnex, <i>old</i>	sēnior	
jūvēnis, <i>young</i>	{ jūnior (sometimes post-Aug. jūvē- nior)	(nātu mīnīmus)
pōtis, pōtē (§ 417), <i>able</i> , <i>possible</i> (no positive)	{ pōtior, <i>better</i> ōcior, <i>swifter</i>	pōtīssīmus, <i>best</i> ōcīssīmus
frūgi (indecl.)	frūgālīor	frūgālīssīmus
ēgens } ēgēnus }	egentiōr	egentiīssīmus
bēnēvōlus bēnēvōlens (Plaut., Ter.)	{ benevolentior	benevolentīssīmus
mālēvōlus mālēvōlens (Plaut.)	{ malevolentior	malevolentīssīmus
mālēdīcus mālēdīcens (Plaut.)	{ maledīcentior	maledīcentīssīmus
bēnēfīcus	benefīcentior	{ benefīcīssīmus (Cato) benefīcentīssīmus
mālēfīcus		malefīcentīssīmus
magnīfīcus	magnīfīcentior	magnīfīcentīssīmus
mūnīfīcus		mūnīfīcentīssīmus
mīrīfīcus		{ mīrīfīcīssīmus (Ter. once)
hōnōrīfīcus	honorīfīcentior	honorīfīcentīssīmus
citra (adv.), <i>on this side</i> (dē, prep. <i>down from</i>)	cītērior dētērior, <i>worse</i>	cītīmus dētērrīmus

extra (adv.), extēr (adj.) Papin.) <i>outside</i> , (very rare in sing.) <i>externus</i>	extērior	{ extrēmus extimū
infra (adv.), infēr (adj.), <i>low</i> (chiefly used in plur. <i>the</i> <i>brings, places, &c. below</i>)	infērior	{ infimū imū
intra (adv.), <i>within</i>	intērior	intimū
post, postērus, <i>next</i> (in time)	{ postērior, <i>hinder</i> , later	{ postrēmus, <i>last</i> postūmus, <i>last-born</i>
præ (prep.), <i>before</i>	prior	primū
prōpe (adv.), <i>near</i>	prōpior	proximū
supra (adv.), sūpēr (adj.), <i>high</i> (chiefly used in plur. <i>the</i> <i>beings, places, &c. above</i>)	supērior	{ sūprēmus, <i>highest</i> , last (in time)
ultra (adv.), <i>beyond</i>	ultērior	{ summū ultimū

2. The following have superlative, but not comparative: *bellus*, *cæsius*, *falsus*, *inclūtus*, *invictus*, *invītus*, *nōvus*, *sācer*, *vāfer*.

3. The following have comparative, but not superlative:

Verbals in *-ilis*: except *amābilissimus* (Cic., Sen.), *hābilissimus* (Cels.), *mirabilissimus* (Col.), *mōbilissimus* (Cic., Tac.), *stābilissimus* (Cato), *fertilissimus* (Cæs., Liv., Plin. *H. N.*), *utilissimus*, *nobilissimus*.

ālācer, *agrestis*, *arcānus*, *āter* (Plaut.), *diuturnus*, *exilis*, *jējūnus*, *jūvenis*, *longinquus*, *obliqvus*, *opimus*, *proclivis*, *proximus* (*of kinship*, in Sen., Ulp. &c.), *prōnus*, *sātur*, *segnis*, *sēnex*, *sērus*, *silvestris* (Plin.), *supīnus*, *surdus*, *taciturnus*, *tempestivus*, *vicīnus*.

iv. Adjectives used only in the positive:

Many adjectives, which express an absolute state or quality, e.g. *material* (e.g. *aureus*), *time* (e.g. *nocturnus*), *relationship* (e.g. *paternus*), which does not readily admit the idea of a higher or lower degree, have no comparative or superlative. In some others they are wanting without any such apparent reason.

If a comparison is required in such adjectives the defect is supplied by adding *magis* and *maxime*. Thus, *magis mirus*, *more wonderful*, *maxime mirus*, *most wonderful*.

Adjectives used only in the positive are chiefly of the following classes:

1. *Derivatives* ending in *-icus*, *-inus*, *-ivus*, *-ōrus*, *-timus*, *-tilus*, *-ālis* or *-āris*, *-ilis*, and (from substantives) in *-ātus* and *-ītus*, as *civīcus*, *natūrālis*, &c., *barbātus*, *crīnītus*.

Exceptions: **rusticior** (Sen.); **rusticus**, as adv. (Hor.).

æquallior (Liv., Quint.), **inæquallior** (Plin. *Ep.*), **inæqualissimus** (Suet.); **capitalior** (Cic.); **frugalior**, **frugalissimus**; **hospitalissimus** (Cic.); **liberalior**, **liberalissimus**; **mortalior** (Plin. *H.N.*); **penetratior** (Lucr.); **regalior** (Plaut.); **vocalior** (Sen., Quint.), **vocalissimus** (Plin. *Ep.*).

familiarior (Liv.), **familiarissimus**; **popularior** (Liv.); **salutarior** (Cic.).

civillior (Ov.); **juvenillior** (Ov.); **puerillior** (Hor.).

2. *Compounds*; as **inops**, **magnanimus**, &c.

Except those named above from **dico**, **facio**, **volo** (§ iii. p. 434).

amentior (Cass., Cic., Suet.), **amentissimus** (Cic.); **dementior**, **dementissimus** (Cic.); **ingentior** (Verg.).

concordior (Plaut.), **concordissimus** (Cic., Sen.); **misericiordior** (Plaut., Cic.); **vecordissimus** (*Or. pro Domo*).

inertior, **inertissimus** (Cic.); **sollertior** (Cic., Ov.), **sollertissimus** (Cato, Sall.).

deformior (Cic., Mart., Plin.); **insignior** (Liv.); **perennior** (Hor.); **immanior** (Cic., Verg.), **immanissimus** (Cic., Plin. *Ep.*).

3. *Adjectives ending in -us, preceded by a vowel.*

(a) But **u** often is, or becomes, consonantal, and thus allows a comparative or superlative without difficulty; e.g. in **-qvus** and **-gvis**; e.g. **antiquior**, **antiquissimus**; **pingvior**, **pingvissimus**; **tenuior**, **tenuissimus**.

ardvior, **arduissimus** (Cato); **assidvior** (Varr.), **assiduissimus** (Suet., and as adv. Cic.); **exiguior** (Col.), **exiguissimus** (Ov., Plin. *Ep.*); **strenuior** (Plaut., Lucil.), **strenuissimus** (Cato, Sall. &c.); **vacuissimus** (Ov.); **perpetuior**, **perpetuissimus** (Cato).

(b) **industriior** (Plaut.); **piissimus** (condemned by Cic. *Phil.* 13. 19, but used by Antony, Sen., Curt., Tac.); **noxior** (Sen.). On **alsius** see p. 240.

4. The following: **albus**, **albus**, **cādūctus**, **calvus**, **cānus**, **cicūr**, **claudus**, **cōmis** (**comior** once in Cic.), **compos**, **curvus**, **dirus** (**dirior** once in Cic.), **fērus**, **gnārus**, **lācer**, **luscus**, **mancus**, **mēdiocris**, **mēmor**, **immēmor**, **mērus**, **mīrus** (**mirior** Fest., Varr.), **mūtilus**, **mūtus**, **gnāvus**, **nēfastus**, **par**, **impar**, **dispar**, **rūdis**, **trux**, **vāgus**.

v. Many participles present and past have comparatives and superlatives.

Neue (II. 91) gives the following lists of participles, with the time of the *first* occurrence of one or other form (i.e. comparative or superlative).

1. Present Participle:

(a) In Cicero: *amans, appetens, ardens, continens, egens, fervens, flagrans, florens, indulgens, negligens, patiens, temperans, tuens, valens.*

(b) In Cæs. or Liv. (not in Cic.): *obœdiens, patens.*

(c) In imperial times: *abstinens, audens, decens, instans, metuens, obsequens, reverens.*

2. Past Participle:

(a) In Cicero: *abjectus, acceptus, accommodatus, accuratus, adstrictus, apertus, apparatus, attentus, aversus, celebratus, commendatus, commotus, concitatus, conditus, confirmatus, conjunctus, contemptus, contractus, cultus, cumulatus, demissus, despectus, desperatus, despiciatus, disjunctus, dissolutus, distortus, doctus, effusus, erectus, eruditus, exercitatus, exoptatus, expeditus, exploratus, expressus, exquisitus, expectatus, fractus, impeditus, incitatus, inquinatus, instructus, intentus, junctus, munitus, obstinatus, obtusus, occultus, optatus, ornatus, pacatus, paratus, perditus, perfectus, perversus, politus, pressus, probatus, productus, promptus, refertus, remissus, remotus, restrictus, sedatus, solutus, spectatus, suspectus.*

(b) In Cæs. or Liv. (not in Cic.): *auctus, citatus, confertus, conspectus, distinctus, diversus, excitatus, extentus, insignitus.*

(c) In imperial times: *coloratus, compressus, confusus, effectus, elatus, emendatus, fusus, ordinatus.*

But the comparative or superlative of many other participles occurs occasionally.

APPENDIX D.

NUMERALS, MEASURES, WEIGHTS, &c.

i. List of Numerals (chiefly from Neue, cf. supr. p. 103).

ARABIC SIGNS:	ROMAN SIGNS.	CARDINAL: answering to the question quot? <i>how many?</i> (adjectives).	ORDINAL: answering the ques- tion quōtus? <i>which</i> <i>in numerical order?</i> (all declinable adjec- tives).	DISTRIBUTIVE: answering to the question quōtēni? <i>how many each?</i> (all declinable adjec- tives plural).	NUMERAL ADVERBS: answering the question quōtiens (quōtiēs)? <i>how many times?</i> (see § 168. 3 b).
1	I.	unus, a, um	{primus, a, um prior, first of two	singūli, e, a	sēmēl
2	II.	duo, e, o	{secundus alter	binī	bis
3	III.	tres, tria	tertius	terni (or trīni, cf. inf.)	tēr
4	IIII. or IV.	quattuor	quartus	quāterni	quātēr
5	V.	quinque	quintus	quīni	quīnquēns
6	VI.	sex	sextus	senī	sexiens
7	VII.	septem	septimus	septēni	septiens
8	VIII. or IIX.	octo	octāvus	octōni	octiens
9	VIII. or IX.	novem	nonus	nōvēni	nōviens
10	X.	decem	dēcimus	dēni	dēciens
11	XI.	undecim	undēcimus	undēni	undēciens
12	XII.	duodecim	duodēcimus	dūdēni	duodēciens
13	XIII.	tredēcim	tertius decimus	terni dēni	terdēciens
14	XIIII. or XIV.	quattuordecim	quartus decimus	quāterni dēni	quātērdēciens

15	XV.	qvindēclm	qvintus decim ^{us}	qvini dēni	qvindēcien ^s
16	XVI.	sēdēclm	sextus decim ^{us}	sēni dēni	sēdēcien ^s
17	XVII.	septemdecim	septimus decim ^{us}	septēni dēni	septien ^s dēcien ^s
18	XVIII. or XIII.	duōdēviginti	duodēvicēsim ^{us}	duōdēvicēni	duodēvicien ^s (?)
19	XVIII. or XIX.	undēviginti	undēvicēsim ^{us}	undēvicēni	undēvicien ^s (?)
20	XX.	viginti	vicēsim ^{us}	vicēni	vicien ^s
21	XXI.	ūnus et viginti	un ^{us} (more rarely prim ^{us}) et vicēsim ^{us}	vicēni singuli	semel et vicien ^s
22	XXII.	duo et viginti	alter et vicēsim ^{us}	vicēni bini	bis et vicien ^s
28	XXVIII. or XXIIIX.	duodētriginta	duodetricēsim ^{us}	duodetricēni	duodetricien ^s
29	XXVIII. or XXIX.	undētriginta	undetricēsim ^{us}	undetricēni	undetricien ^s (?)
30	XXX.	triginta	tricēsim ^{us}	tricēni	tricien ^s
40	XXXX. or XL.	quadrāginta	quadrāgēsim ^{us}	quadrāgēni	quadrāgien ^s
50	L.	quinqvāginta	quinqvagēsim ^{us}	quinqvāgēni	quinqvagēien ^s (also quinqvagēslen ^s , Plaut.)
60	LX.	sexāginta	sexagēsim ^{us}	sexāgēni	sexagien ^s
70	LXX.	septuāginta	septuagēsim ^{us}	septuāgēni	septuagien ^s
80	LXXX. or XXC.	octōginta	octogēsim ^{us}	octogēni	octogien ^s
90	LXXX. or XC.	nōnāginta	nonagēsim ^{us}	nōnāgēni	nonagien ^s
98	XCIX. or IIC.	octo et nonaginta	duodecentēsim ^{us}	duodecentēni	duodecentien ^s
99	XCIX. or IC.	undecentum	undecentēsim ^{us}	undecentēni	undecentien ^s
100	C.	centum	centēsim ^{us}	centēni	centien ^s
101	CI.	centum et un ^{us}	centēsim ^{us} prim ^{us}	centēni singuli	centien ^s semel
124	CXXIII. or CXXIV.	centum viginti quat- tuor	centēsim ^{us} vicēsi- m ^{us} quart ^{us}	centēni vicēni qua- terni	centien ^s vicien ^s qua- ter
200	CC.	ducenti, c, a	ducentēsim ^{us}	ducentēni	ducentien ^s
230	CCXXX.	ducenti (c, a) triginta	ducentēsim ^{us} tri- centēsim ^{us}	ducentēni tricēni	ducentien ^s tricien ^s

List of Numerals (Continued).

300	CCC.	trecenti, <i>c, a</i>	trecentismus	trecenti	trecentiens
400	CCCC.	quadringenti, <i>c, a</i>	quadringentismus	quadringenti	quadringentiens
500	IC.	quingenti, <i>c, a</i>	quingentismus	quingenti	quingentiens
600	IOC.	sescenti, <i>c, a</i>	sescentismus	sescenti	sescentiens
700	IOCC.	septingenti, <i>c, a</i>	septingentismus	septingenti	septingentiens
800	IOCCC.	octingenti, <i>c, a</i>	octingentismus	octingenti	octingentiens
900	IOCCCC.	nongenti, <i>c, a</i>	nongentismus	nongenti	nongentiens
1000	CI.	mille	millenismus	singula millia	milliens
1235	CIACCXXV.	mille ducenti (<i>c, a</i>) triginta quinque	millenismus ducentismus tricenismus	singula millia ducenta tricena quina	milliens ducentiens triciens quingiens
2000	CIACI.	duo millia	bis millenismus	duo millia	bis milliens
4000	CIACIACIACI.	quattuor millia	quater millenismus	quaterna millia	quater milliens
5000	IC.	quinque millia	quingiens millenismus	quina millia	quingiens milliens
6000	IOACI.	sex millia	sexiens millenismus	seno millia	sexiens milliens
10,000	CCIC.	decem millia	deciens millenismus	dena millia	deciens milliens
20,000	CCICCCIC.	viginti millia	vicdens millenismus	vicena millia	vicdens milliens
50,000	ICCC.	quingvāginta millia	quingvagiens millenismus	quingvāgena millia	quingvagiens milliens
100,000	CCCICCC.	centum millia	centiens millenismus	centena millia	centiens milliens
500,000	ICCCC.	quingentā millia	quingentiens millenismus	quingena millia	quingentiens milliens
100,000,000	CCCCICCCC.	deciens centum millia	deciens centiens millenismus	decens centena millia	decens centiens milliens

In spelling, on the above table, the terminations of the ordinals -ensimus (instead of the older -ensumus, and later -esimus), and of the adverbs -ens (instead of the later -es), and of millia (not milia), the *Monumentum Ancyranum* has been followed.

In some good MSS. other forms for the distributives of hundreds are (rarely) found; e.g. ducenteni, quadringenteni, &c., and these forms are mentioned by Priscian.

Multiplicative adjectives are formed with the suffix -plex, -fold, viz. simplex, sescuplex (*one and a half fold*), duplex, triplex, quadruplex, quincuplex, septemplex, decemplex, centuplex.

Others in -plus are generally used in neuter only, to denote a magnitude *twice*, &c. *as great* as another. These are simplus, sescuplus, duplus, triplus, quadruplus, octuplus.

For derivatives like primānus, *of the first* (legion), see § 830; primarius, *of the first* (rank), § 942, 1; and the names of the numbers, e.g. binio, *two*, see § 852.

Another series (see esp. Frontin., *de aquæduct.*, 26—62) is binarius, *containing two*, ternarius, quaternarius, quīnarius, sēnarius, septenarius, octonarius, nōvenarius, denarius, duodenarius, vicenarius ("lex quina vicenaria," Plaut.), tricenarius, quadragenarius, quinqvagenarius, sexagenarius, septuagenarius, octogenarius, nonagenarius, centenarius, ducenarius, trecenarius, quadringenarius, quingenarius, septingenarius, octingenarius, millenarius. Comp. § 942, 1.

ii. Signs for Numerals.

In writing numbers a stroke over the (Roman) letters indicates thousands, and top as well as side strokes indicate hundred thousands; e.g. XVIII. is duodeviginti millia, XXCCCC. is viginti millia quadringenti, |X|CLXXXDC is deciens centum millia et octoginta millia sescenti (1,180,600)¹. See also in § xii.

The signs² for 50, 100, 1000 were originally the three Greek aspirate letters which the Romans did not require, viz. Ψ, Θ, Φ, i.e. χ, θ, φ. The Ψ was written ⊥ and abbreviated into L; Θ from a false notion of its origin made like the initial of centum; and Φ assimilated to ordinary letters CIƆ. The half of Φ, viz. D, was taken for ½ 1000, i.e. 500; X probably from the ancient form of θ, viz. ⊗, being adopted for 10, the half of it V was taken for 5 (Ritschl³). According to others, an outstretched finger, the open hand, and the double hand, were taken, viz. I, V, X for 1, 5, 10; and another position of V (viz. L) for 50³.

¹ Marquardt, *Röm. Alterth.* III. 2, p. 32.

² *Rhein. Mus.* 1869, XXIV. p. 12.

³ See Mommsen, *Röm. Gesch.* B. I. kap. XIV.

iii. Inflexions of Numerals.

Unus. For mode of declension see § 371. In the plural it is only used with substantives whose plural *denotes* a singular, e.g. *unæ litteræ, one epistle; unæ ædes, one house (set of rooms, or of hearths?); uni mores, one and the same conduct; uni Suevi, the single tribe of the Suevi (or the Suevi alone).*

Duo. The masc. and neut. are: nom. acc. *duo*, gen. *duorum* or *duum*, dat. abl. *duobus*. For the m. acc. *duos* is also used. The fem. is: nom. *duæ*, acc. *duas*, gen. *duarum* or *duum*, dat. abl. *duabus*. *Ambo, both*, is similarly declined. In expressions like *duodecim, duodeviginti, duoetvicesimus*, *duo* is not varied.

Nom. and acc. *tres*, n. *tria*, gen. *trium*, dat. *tribus*.

All the other cardinal numbers up to *centum* are undeclined: so also is *mille* when used as an adjective. As a substantive it has a declinable plural *millia, millium, millibus* (cf. § 177): but in the singular is only used in nom. or acc., except ablative (*mille*) in Pl. *Trin.* 959 and (*milli*) Lucil. ap. Gell. i. 16. In expressions like *cæsi sunt tria millia trecenti milites*, we must supply *militum* after *millia*. If the name of the thing, &c. numbered precede, it is usually put in the genitive, e.g. *militum (not milites) tria millia trecenti cæsi sunt*.

The other cardinal, all the ordinal and the distributive numbers, are declinable adjectives with -o stems. The genitive plural of the cardinals and distributives is usually in -um for -orum (cf. § 365); e.g. *non plus mille quingentum æris* (for *quingentorum nummorum*); *senum septenumque denum*.

iv. Order in compounding Numerals.

In compound numbers, from *thirteen* to *nineteen* inclusive, the smaller is usually prefixed to the larger without *et*, e.g. *septem decem* (or *septemdecim*), *septimus decimus*, *septeni deni*, *septies decies*; but in cardinals and ordinals the order is sometimes reversed, and in cardinals *et* is sometimes inserted, especially if the larger come first, e.g. *decem septem, decem et septem, septem et decem: decimus septimus* (Sen.).

From *twenty-one* to *ninety-nine*, the rule is that, either the larger should precede the smaller number without *et*, or the smaller precede the larger with *et*, e.g. *viginti quattuor* or *quattuor et viginti; vicesimus quartus* or *quartus et vicesimus*, &c.; but in the ordinals and distributives, exceptions to both usages occur, e.g. *quadragessimus et sextus, sexto tricesimo, quinquagena et singula, quinos vicinos*, &c.; and in cardinals and distributives the conjunction is sometimes inserted even when the larger precedes, e.g. *viginti et septem* (Cic.), *quadraginta et quisque* (Liv.), *vicies ac septies*, &c.

From a *hundred and one* upwards, the larger number is usually put first, either without or (except distributives) with a conjunction, e.g. *ducentos (et) quadraginta (et) quattuor, quingentesimum (et) quingvagesimum (et) octavum, ducenti septuageni, centies (et) quadragies*; but with a conjunction the smaller (cardinal or ordinal) number sometimes is found preceding, e.g. *quingvaginā et ducentā, septimum et quingvagesimum ac centesimum*. So also *ducentos et mille, mille et ducentos*.

For *eighteen, nineteen, twenty-eight, twenty-nine, &c.*, the subtractive forms (e.g. *duodeviginti, undeviginti, undetrigesimus, &c.*) are most common, but compound forms are also found, e.g. *decem octo, decem et octo* (frequently), *octodecim* (rare); *novem et triginta, quingvaginā octo, triginta novem* (Liv.), *octavo decimo* (Tac.), *octoni deni* (Liv.).

v. Use of classes of Numerals.

The *ordinal*, not the *cardinal*, is used in giving the date, e.g. *In the year 1869 is anno millesimo octingentesimo sexagesimo nono*.

The *distributives* are used

(1) to denote that the number belongs to each of several persons or things, e.g. *Cæsar et Arlovistus denos comites ad colloqvium adduxerunt, took ten companions each; pueri senum septenumve denum annorum, boys of sixteen or seventeen years old, i.e. each was 16 or 17; ambulare bina millia passuum, to walk two miles each time; tritici modius erat sestertis ternis, corn was at three sesterces the (i.e. each) bushel*. If *singuli* is expressed with the persons, &c., the cardinal number may be used with the things numbered, e.g. *singulis denarii trecenti imperabantur, each was required to pay three hundred pence*. In this use *terni*, not *trini*, is used.

(2) in expressions of multiplication, e.g. *bis bina, twice two; ter novenæ virgines, thrice nine girls; decies centena millia, ten times a hundred thousand*. In these expressions the distributive numerals, e.g. *decies centena millia*, do not mean *a million to each person*, but *a hundred thousand taken each of ten times*.

(3) with nouns which have no singular, e.g. *bina castra, the two camps; trinis hostium spoliis, with three sets of spoils from the enemy*. (In this use *uni* not *singuli*; *trini* not *terni* is used.)

(4) Poets use distributives as merely equivalent to cardinals, e.g. *centum quoque brachia dicunt centenasque manus* (Verg. *A.* x. 565), i.e. *a hundred hands in all*, not *a hundred in each arm*. So also post-Augustan writers use *trinus* (not *ternus*).

(5) In the singular the distributives are sometimes used, chiefly

by poets, e.g. *centauri corpore bino*, a double body; *centenāque arbore fluctum verberat assurgens* (Verg.), with an hundred-fold shaft, i.e. a hundred oars; *novena lampade*, with nine torches (a torch repeated nine times).

Every other is expressed by *alterni*; e.g. *alternis diebus*, every second day.

vi. Expression of Fractions¹.

Fractions are expressed in words in several ways:

1. All fractions, with 1 for numerator, are denoted by ordinal numbers, with or without *pars*, e.g. $\frac{1}{2}$, *dimidium* (not *dimidia*) or *dimidia pars*; $\frac{1}{3}$, *tertia* or *tertia pars*; $\frac{1}{4}$, *quarta*, &c.

2. All fractions with a numerator less by one than the denominator are denoted by the cardinal with *partes* simply, e.g. $\frac{2}{3}$, *duæ partes*; $\frac{3}{4}$, *tres partes*; $\frac{4}{5}$, *quattuor partes*; $\frac{5}{6}$, *quinque partes*.

3. All fractions with 12, or its multiples for a denominator, are denoted by the parts of an *as*, which is taken as the whole and is equal to 12 *uncia*. (See below, § viii.) Hence *heres ex asse*, heir to the whole inheritance: *ex triente*, to a third; *ex dimidia et sextante*, to two thirds (a half and a sixth).

4. Other fractions, not expressible by one of the above methods, are denoted by the cardinal for a numerator, and the ordinal (as in subsection 1) for the denominator, e.g. $\frac{4}{7}$, *quattuor septimæ*; $\frac{7}{9}$, *septem nonæ*.

5. Some fractions are denoted by resolution into their components, e.g. $\frac{3}{4}$, *dimidia et quarta*; $\frac{2}{3}$, *pars dimidia et sexta*; $\frac{4}{9}$, *pars tertia et nona*; $\frac{10}{11}$, *pars tertia et septima*.

6. Sometimes further division is resorted to, e.g. $\frac{1}{10}$, *dimidia quinta*. And *dimidia tertia* is used for *sexta*; *dimidia quarta* for *octava*.

7. *Sesqui*, $1\frac{1}{2}$, is used only in compounds, see § 987 (p. 386).

vii. Money coinage.

(Chiefly from Hultsch, see below, p. 451.)

Coined money was not used at Rome till the time of the Decemviral legislation (303 U.C.=451 B.C.). The coin was called an *as*, and was supposed to weigh a pound; hence called in distinction from the subsequent *as*, *as libralis* or *librarius*. Coins also existed for the *semis*, *triens*, *quadrans*, *sextans*, and *uncia*. The real weight (of unworn pieces now found) was 9 to 11 *uncia* and may be taken

¹ Chiefly from Gossrau, *Lat. Sprachlehre*, § 125.

therefore at 10 *uncia*. The coinage was of copper (*æs*), alloyed with tin and lead. Analysis of these pieces gives 7·16 to 7·66 per cent. of tin; and 19·56 to 29·32 per cent. of lead.

In 485 U.C. (=269 B.C.), shortly before the first Punic war, silver was first coined, and at the same time the *as* was reduced to the weight of 4 *uncia* (and then gradually before the end of the 1st Punic war to 2 *uncia*) instead of an actual 10, nominal 12, *uncia*. Three silver coins were introduced, the *denarius* (often stamped with a *biga*, or *quadriga*, and thence called *bigatus* or *quadrigatus*) = 10 (reduced) *asses*; the *quinarus* = 5 *asses*; the *sestertius* = $2\frac{1}{2}$ *asses*. The coin equivalent to the reduced *as* was of copper and called *libella*; the half of this was *sempella*; the quarter (of the *libella*) was *teruncius*. The double *as* was coined and called *dupondius*; other coins were *tressis* = 3 *asses*; *decessis* = 10 *asses*. The *denarius* was probably $\frac{1}{7\frac{1}{2}}$ pound of silver.

In the year 537 U.C. (=217 B.C.) the copper *as* was reduced to the weight of one *uncia*, and to the value of $\frac{1}{16}$ *denarius* or $\frac{1}{4}$ *sestertius*. Probably at the same time the *denarius*, which had been gradually losing, was reduced so as to be equal to $\frac{1}{8\frac{1}{4}}$ pound of silver. The *as* eventually sunk to the value of $\frac{1}{2}$ *uncia*.

A new silver coin called *victoriatus*, because stamped on the reverse with a figure of Victory, was introduced probably about the year 228 B.C. At first it was $\frac{3}{4}$ *denarius*, afterwards by the Clodian law, 104 B.C., it was reduced to be = $\frac{1}{2}$ *denarius*, and as such was known to Varro, Cicero, &c.

In the time of Nero the *denarius* was again reduced to $\frac{1}{96}$ pound of silver, and remained at this until Marcus Aurelius. At the same time Nero debased the silver, which hitherto had been fine, by an admixture of 5 to 10 per cent. of alloy. Under Trajan, about the year 100, the alloy was 15 per cent., under Hadrian nearly 20 per cent., under Marcus Aurelius 25 per cent., under Commodus 30 per cent., under Septimius Severus 50 to 60 per cent.

Copper coinage was dropped from about 84 to 74 B.C. until 15 B.C. (Except that some coins by Antony are found.) Then the silver sesterce being given up, a four-*as* piece was coined instead; and a piece of half the value of the new sesterce, viz. the *dupondius*. Both these were of brass (the proportions being not quite $\frac{1}{3}$ zinc to more than $\frac{2}{3}$ copper). The *as*, *semiss* and *quadrans* were of copper.

Gold was first coined in 217 B.C.; but sparsely until Sulla, Pompey and Cæsar. Cæsar's coin called *aureus* was fixed as equivalent to 25 *denarii* or 100 sesterces.

The value of these different coins is as follows according to Hultsch. Hultsch's values are reduced to English money on the basis of 1 silver groschen = $1\frac{1}{8}$ *d.* sterling.

	Silver groschen.	Eng. mon.
As libralis (copper)	4·7	5·3 <i>d.</i>
269—217 B.C.		
As sextantarius ($=\frac{2}{3}$ sestertius) (copper)	·8 ¹	·93 <i>d.</i>
Sestertius (silver)	2·	2 $\frac{1}{3}$ <i>d.</i>
Denarius (silver)	8·2	9 $\frac{1}{3}$ <i>d.</i>
217—30 B.C.		nearly
Sestertius (silver)	1·7	2 <i>d.</i>
Denarius (silver)	7·	8 $\frac{1}{4}$ <i>d.</i>
Aureus (gold) = 25 denarii = 100 sestertii		17 <i>s.</i>

Hence the following amounts are deduced:

Mille sestertium	£8. 10 <i>s.</i>
Decies sestertium = 1,000,000 sestertii	£8500.

In intrinsic value the **denarius** is reckoned by Hussey at 8·62 pence; the **aureus**, in terms of the English sovereign, at £1. 1*s.* 1 $\frac{1}{2}$ *d.* If the value of the **denarius** (fixed at the twenty-fifth of the **aureus**) is deduced from this value, it would, of course, be considerably higher than that given above.

viii. Expression of sums of money.

The **denarius** which was the silver coin in most currency was little used in reckoning. The ordinary unit of reckoning was the **sestertius**, or **nummus**, or, in full, **sestertius nummus**.

Up to 2000, the cardinal numbers are prefixed, e.g. **centum sestertii**, **ducenti sestertii**. But for higher numbers, in thousands up to a million, a neuter substantive in the plural number was used, **sestertia**, e.g. **duo** or **septem sestertia** for **duo** or **septem millia sestertia** (the short form of the genitive plural being taken for a neuter substantive); **sestertium sexagena millia**, **sestertium sexagena millia nummum**, **sestertium nummum quinque millia**.

For sums of a million and upwards numeral adverbs are resorted to, e.g. **decies centum** (or **centena**) **millia sestertia**. Usually the numeral adverb and **sestertium** are put alone, e.g. **decies sestertium**; similarly **duodecies sestertium** (1,200,000), **ter et vicies** (2,300,000). In these expressions again **sestertium** was taken to be a neuter substantive, and described as such, but in the singular number only, e.g. (nom.) **sestertium quadragies relinquitur** (4,000,000); (acc.) **sestertium quadragies accepi**; (abl.) **sestertio decies fundum emi**, **in sestertio vicies egere** (*to be poor in the possession of 2,000,000 sesterces*). Occasionally, when the context is clear, the adverb alone is put, and **sestertium** omitted. Sometimes other parts of the full

¹ But intrinsically worth from 1·97 to 0·93 silv. gr.

expression are omitted, e.g. *decies centena millia*, *decies centena*. (cf. § v. 2.) As an instance of a composite expression may serve, *Accepi vicies ducenta, triginta qvinque millia, quadringentos decem et septem nummos* (C. Verr. Lib. I. 14), 2,235,417 sesterces¹.

The sign for a *denarius* was X, for a *qvinarius* V, for an *as* I, for a *dupondius* II, for a *sestertius* IIS (for *duo + semis*). Sometimes a line is drawn through the middle of these signs, and hence printers have substituted for IIS HS. Hence IIS *decem* = 10 sesterces; IIS *decem millia* = 10,000 sesterces; IIS *decies* = 10,00,000. If the numbers were not written in full but denoted by letters an ambiguity might arise, which was however obviated by adding (see § ii.) a top line for thousands IIS; and top and side lines for hundred-thousands when the sum was equal to a million or more²; e.g. Plin. 33.3, 17, §§ 55, 56 (ed. Jan.). *Auri in aerario populi Romani fuere sex Julio L. Aurelio coss. septem annis ante bellum Punicum tertium, pondo XVII.CCCCX., argenti XXII.LXX. et in numerato [LXI].XXXV.CCCC.; Sex. Julio d. Marcio coss. hoc est, belli socialis initio, auri [XVI].XX.DCCCXXXI.: i.e. There was in the Roman treasury in the year 157 B.C., in weight 17,410 (pounds) of gold, 22,070 (pounds) of silver, and in count (i.e. in coin) 6,135,400 sesterces; in the year 91 B.C. 1,620,831 (pounds?) of gold.*

The *as*³ consisted originally of 12 *unciae*, and there were distinct names and signs for each multiple of the *uncia* and for some fractions of it.

uncia.		as.	sign.
12	<i>assis</i> or <i>as</i> , a pound	I	I
11	<i>deunx</i> (de-uncia), an ounce-off	$\frac{11}{12}$	S — — —
10	<i>dextans</i> (desextans), a sixth-off	$\frac{5}{6}$	S — —
9	<i>dodrans</i> (dequadrans), a fourth-off	$\frac{3}{4}$	S — —
8	<i>bessis</i> or <i>bes</i> (dvi-assis), a two-as ⁴	$\frac{2}{3}$	S —
7	<i>septunx</i> (septem unciae), a seven-ounce	$\frac{7}{12}$	S —
6	<i>semissis</i> or <i>semis</i> (semi-assis), a half-as	$\frac{1}{2}$	S
5	<i>qvincunx</i> (qvinqueuncia), a five-ounce	$\frac{5}{12}$	— — —
4	<i>triens</i> (tri-), a third	$\frac{1}{3}$	— —
3	<i>quadrans</i> or <i>teruncius</i> (qvattvor-), a fourth	$\frac{1}{4}$	— —

¹ Madvig, *Lat. Gr. Append.* II.

² Marquardt, *Röm. Alterth.* Th. III. Abth. 2, p. 32.

³ See Volusius Mæcianus in *Metrol. Script.* II. p. 61 sqq.; Hultsch's *Preface* to same, pp. xxv. to xxviii.; *Prolegom.* pp. 17—22; Marquardt, *Röm. Alt.* III. 2, pp. 41—44, v. I, p. 102.

⁴ This term must either have been formed when the *as* was equal to 4 *unciae*; or be short for *two-thirds* of an *as* (cf. § vi. 2).

uncia.		as.	sign.
2	sextans (sexto-), a sixth	$\frac{1}{6}$	—
$1\frac{1}{2}$	sestuncia (sesqui-uncia), one and a half ounce	$\frac{1}{8}$	— Σ
1	uncia, an ounce	$\frac{1}{12}$	—
$\frac{1}{2}$	semuncia, a half-ounce	$\frac{1}{24}$	Σ or £
$\frac{1}{4}$	sicillicus, a Sicilian farthing	$\frac{1}{48}$)
$\frac{1}{6}$	sextula, a little sixth	$\frac{1}{72}$	~ or \

Of the above the **sicillicus** was not used till imperial times. The **scriptulum** or **scripulum** (γράφμα) was also used for $\frac{1}{24}$ of the **uncia**, = $\frac{1}{288}$ as. The fraction $\frac{1}{36}$ as was denoted by **binæ sextulæ**, or **duella**; $\frac{1}{44}$ as by **dimidia sextula**, or **duo scripula**.

The above-named parts of the **as** were used (as has been said) as mere duodecimal fractions, applicable without any specific concrete meaning to any unit. See below, p. 449.

Though this system had its origin at the time when money was copper, taken by weight, it survived several changes in the monetary system. It has been mentioned that when silver money was first coined the **denarius** was the unit, and equal to 10 **asses**; the **sestertius** to $2\frac{1}{2}$ **asses**. Each of these **asses** was called **libella**. The half of a **libella** was called **sembella** (Varr.) or **singula** (Mæc.); the half of the **sembella** or quarter of the **libella** was called **teruncius**. Presently the **denarius** was made equivalent to 16 **asses**, and the **sestertius** to 4 **asses**.

Now in money accounts the **denarius** (of 16 **asses**) was sometimes taken as the unit; at other times the **sestertius** (of 4 **asses**). The "odd pence" (**æs excurrents**) required to be noted in each case. The **as** and each number of **asses** up to the **denarius**, the half-**as** and each number of half **asses** up to the **sestertius**, required a sign. For the 'odd pence,' when the **denarius** was the unit, the old *duodecimal* system was applied, and the sixteenths were expressed by twelfths, and combinations of twelfths, half-twelfths, and quarter-twelfths. For the 'odd pence,' when the **sestertius** was the unit, the old *decimal* system (which was now no longer required for the **denarius**) was applied, and the **asses** and half-**asses** up to the **sestertius** were expressed by tenths (**libellæ**), half-tenths, and quarter-tenths.

The following were the modes of expressions used in each case.

‘ODD PENCE,’ when the denarius was the unit. N.B. The crossed X (for denarius) ought to be prefixed to all the signs. In this duodecimal system the half denoted by S contains 6 parts; but $\frac{6}{12} = \frac{1}{2}$.

asses.	denarius	denarii.	sign.	name of sign.	explanation of name.
16	denarius	I	X		
15	quindecimæ ¹	$\frac{15}{16}$	S ---)	deunx sicilicus	$\frac{1}{2} + \frac{1}{48}$
14	quattordecimæ	$\frac{7}{8}$	S --- Σ	dextans semuncia	$\frac{5}{8} + \frac{1}{24}$
13	tredecimæ	$\frac{13}{16}$	S --- Σ)	dodrans semuncia sicilicus	$\frac{3}{4} + \frac{1}{24} + \frac{1}{48}$
12	duodecimæ	$\frac{3}{4}$	S ---	dódrans	$\frac{3}{4}$
11	undecimæ	$\frac{11}{16}$	S ---)	bes sicilicus	$\frac{3}{4} + \frac{1}{48}$
10	decus (decussis)	$\frac{10}{16}$	S --- Σ	septunx semuncia	$\frac{7}{8} + \frac{1}{24}$
9	nonus (nonussis)	$\frac{9}{16}$	S Σ)	semis semuncia sicilicus	$\frac{1}{2} + \frac{1}{24} + \frac{1}{48}$
8	octus (octussis)	$\frac{8}{16}$	S	semis	$\frac{1}{2}$
7	septus (septussis)	$\frac{7}{16}$	---)	quincunx sicilicus	$\frac{5}{8} + \frac{1}{48}$
6	sexis	$\frac{6}{16}$	--- Σ	triens semuncia	$\frac{1}{3} + \frac{1}{24}$
5	quinques (quinqussis?)	$\frac{5}{16}$	--- Σ)	quadrans semuncia sicilicus	$\frac{1}{4} + \frac{1}{24} + \frac{1}{48}$
4	quattrussis	$\frac{4}{16}$	---	quadrans	$\frac{1}{4}$
3	tressis	$\frac{3}{16}$	---)	sextans sicilicus	$\frac{1}{6} + \frac{1}{48}$
2	dupundius	$\frac{2}{16}$	Σ ---	sescuncia	$\frac{1}{8}$
1	as (assis)	$\frac{1}{16}$	Σ)	semuncia sicilicus	$\frac{1}{24} + \frac{1}{48}$

‘ODD PENCE,’ when the sestertius was the unit. In this decimal system the half denoted by S contains 5 parts.

asses.	sestertius	sestertii.	sign.	name of sign.	explanation of name.
4	sestertius	I	II S		
$3\frac{1}{2}$	tressis semis	$\frac{7}{4}$	S --- Σ T	octo libellæ singula teruncius	$\frac{8}{10} + \frac{1}{20} + \frac{1}{40}$
3	tressis	$\frac{3}{4}$	S --- Σ	septem libellæ singula	$\frac{7}{10} + \frac{1}{20}$
$2\frac{1}{2}$	dupundius semis	$\frac{5}{2}$	S --- T	sex libellæ teruncius	$\frac{6}{10} + \frac{1}{40}$
2	dupundius	$\frac{1}{2}$	S	quinque libellæ	$\frac{5}{10}$
$1\frac{1}{2}$	as semis	$\frac{3}{2}$	--- Σ T	tres libellæ singula teruncius	$\frac{3}{10} + \frac{1}{20} + \frac{1}{40}$
1	as	$\frac{1}{2}$	--- Σ	duæ libellæ singula	$\frac{2}{10} + \frac{1}{20}$
$\frac{1}{2}$	semis	$\frac{1}{2}$	--- T	libella teruncius	$\frac{1}{10} + \frac{1}{40}$

¹ i. e. quindecim ære, fifteen in copper. Comp. the use of pondo.

ix. Expression of Interest of Money.

Interest was denoted at first by the proportionate part of the capital, and the parts of the *as* were made use of for this purpose. Thus the decemviral legislation fixed legal interest at $\frac{1}{12}$ of the capital, *fenus unciarum*. This is equivalent to $8\frac{1}{3}$ per cent., and if Niebuhr's views be right, that this originally related to the old year of ten months, it would be equivalent to 10 per cent. for a year of twelve months. In 347 B.C. the rate was reduced to *semunciarum fenus*, i. e. $\frac{1}{24}$ of the capital, i. e. 5 per cent. for the year of twelve months.

In and after Sulla's time, the more common Greek method of reckoning interest *by the month* came in, and the legal rate was $\frac{1}{100}$ of the capital per month, called *centesima* (sc. *pars sortis*), i. e. 12 per cent. for a year. Lower rates of interest were denoted by the fractional parts of the *as* (the *centesima* being taken as the *as*), higher rates by distributives (or a combination of distributives and fractions). The following expressions are found either in the *Corpus Juris* or Cicero¹. Interest is expressed by the plural *usuræ*, in apposition to the parts of the *as*:

<i>usuræ unciæ</i> . . .	i. e. $\frac{1}{12}$ of the <i>centesima</i>	= 1 per cent.
<i>usuræ quadrantes</i> .	$\frac{1}{4}$	= 3 . . .
<i>usuræ trientes</i> or <i>ter-</i>		
<i>tia centesimæ pars</i>	$\frac{1}{3}$	= 4 . . .
<i>usuræ quincunces</i> . .	$\frac{5}{12}$	= 5 . . .
<i>usuræ semisses</i> or <i>di-</i>		
<i>midia centesimæ</i> .	$\frac{1}{2}$	= 6 . . .
<i>usuræ besses</i> or <i>bes</i>		
<i>centesimæ</i>	$\frac{2}{3}$	= 8 . . .
<i>usuræ deunces</i> . . .	$\frac{1}{12}$	= 11 . . .
<i>usuræ centesimæ</i> . .	. . . . .	= 12 . . .
<i>binæ centesimæ</i> . .	. . . . .	= 24 . . .
<i>ternæ centesimæ</i> . .	. . . . .	= 36 . . .
<i>quaternæ centesimæ</i> .	. . . . .	= 48 . . .
<i>quinæ (centesimæ)</i> .	. . . . .	= 60 . . .

But the singular is sometimes found, e.g. *fenus ex triente factum erat bessibus* (C. Att. IV. 15). Interest rose from $\frac{1}{3}$ to $\frac{2}{3}$, i. e. per month, = 4 per cent. to 8 per cent. per year.

¹ Marquardt, *Röm. Alterth.* Th. III. Abth. 2, p. 50.

x. Measures of Weight¹.

The **as** and its divisions and multiples have been already given, § viii.

The Greek system also was used in the imperial times, the unit being a **denarius**, called from the Greek **drachma**, of which the **libra** (= **as**) contained until Nero's time 84 (so in Celsus and Pliny), afterwards 96. This latter **drachma** was divided into three **scriptula**, the **scriptulum** = two **oboli**, the **obolus** = three **siliquæ**.

If the **libra** be taken as equal to 5053·2 Engl. grains (so Böckh, Mommsen, Hultsch), it will be about $\frac{7}{8}$ pound Troy (5760 grains). Hence the **denarius** or **drachma** (before Nero's time) was = 60·16 grains, i.e. nearly an Engl. drachm (60 grains). After Nero's time the **drachma** was = 52·6 grains and the **siliqua** 2·9 grains.

xi. Measures of length.

The unit of one system was a *finger-breadth*, **digitus**; four finger-breadths made a *palm*, **palmus**; and four palms, a *foot*, **pes**; a *foot and a palm* was **palmipes**; a foot and a half (*sesquipes*) was a *forearm*, **cubitus**. The *ulna* was taken as a third of a man's height, perhaps the length of the whole arm.

But the foot was also divided into twelve parts, and for these the names of the fractions of an **as** were used. *Two feet* was similarly called **dupondius**; $2\frac{1}{2}$ feet was **pes sestertius**.

In land-surveying, the *rod*, **pertica**, contained ten feet, hence called **decempeda**. The *actus* (i.e. the furrow made at one drawing (*driving*) of the plough oxen) measured 12 rods.

The unit of distance was not the single step (**gradus**, $2\frac{1}{2}$ feet) but the **passus**, 5 feet, i.e. the distance from the point where the same foot is taken up to the point where it is put down. A *thousand paces*, **mille passus**, gives the origin of a *mile*. The Greek **stadium** was also used and taken at $\frac{1}{8}$ of a mile (i.e. our furlong).

The **pes** = 11·6 Eng. inches or ·97 Eng. foot; **mille passus** = 4850 Eng. feet or ·919 Eng. mile. The **pertica** = 9 feet 8·5 inches.

¹ In §§ x.—xiii. I have chiefly followed Hultsch's *Griech. u. Röm. Metrologie* (1862). See also his *Metrologici Scriptorum*, Vol. II. The English equivalents are usually from the tables appended to Smith's *Dict. Antiqq.*

xii. Measures of Surface.

The **pes quadratus** (*square foot*), as contrasted with the **pes porrectus** (*foot in length*), was the unit. But in land-measurement a higher unit was taken, the **scripulum** (Varro), **decempeda quadrata** (Pallad.), i.e. the *square rod*.

The **actus quadratus**, often simply **actus**, contained 144 *square rods*, **perticæ**; a double **actus** was a **jugerum**; a double **jugerum** formed an **heredium**; 100 **heredia** formed a **centuria**; 4 **centuriæ** formed a **saltus** (Varr. R. R. 110).

The fractions of the **jugerum** were denoted by the parts of an **as**, the **sicilicus** also being used for $\frac{1}{48}$; the **sextula** for $\frac{1}{72}$; the **scripulum** for ($\frac{1}{4}$ of the **sextula**, i.e. for) $\frac{1}{288}$ of the **jugerum**.

The **pes quadratus** = .94 Engl. sq. foot: the **actus quadratus** = 1 rood 9 perches 231 sq. feet: the **jugerum** = 2 roods 19 perches 189.9 square feet, i.e. almost $\frac{5}{8}$ of an acre; an **heredium** was nearly an acre and a quarter.

xiii. Measures of Capacity.

The unit of *liquid* measure was the **quadrantal**, which was defined as **vas pedis quadrati**, i.e. as *containing a square foot* of wine. The name in and after Cicero's time was superseded by that of **amphora** (*ἀμφορεύς*). The **amphora** contained two **urnæ**, the **urna** four **congi**; the **congius** six **sextarii**; the **sextarius** two **heminae**; the **hemina** two **quartarii**; the **quartarius** two **acetabula**. A **culeus** contained 20 **amphoræ**.

The duodecimal system was applied to the **sextarius**, a twelfth of which was a **cyathus** = **uncia**. The **triens** = 4 **cyathi**, **quadrans** = 3 **cyathi**, **sextans** = 2 **cyathi**, &c., are spoken of. (See also Mart. 11, 36; 12, 28.)

The unit of *dry* measure was the **modius**, which contained two **semodii** or 16 **sextarii**. The divisions of the **sextarius** (**hemina**, &c.) were the same as of liquid measure.

The **sextarius** was = .96 pint Engl. Hence the **amphora** was about = 5 gall. 6 pints Engl.; the **modius** = 1 gall. 7.36 pints Engl.

xiv. Division of Time.

The Romans divided time into years, months, days, and hours. A civil day, as recognised in law, was from midnight to midnight; a natural day, from sunrise to sunset. The duodecimal system was applied here also, the natural day being divided into twelfths, called *horæ*, which were therefore of different absolute lengths according to the time of year. From Dec. 23rd, when the day at Rome was, according to modern reckoning, 8 hrs. 54 m. long, and the Roman hour was $44\frac{1}{2}$ m., the length increased up to 25 June, when the day was 15 hrs. 6 m., and the Roman hour $75\frac{1}{2}$ m. At the equinoxes, 23 March, 25 Sept., the Roman hour was of the same length as our own. The civil day is sometimes spoken of as divided into twenty-four hours.

The night was for military purposes divided into four *watches* (*vigilia prima*, &c.) of equal length. And a similar division of the day into four parts is also implied by Varro's account of the prætor's marshal crying the 3rd hour, noon, and the 9th hour. Various loose names for different parts of the day and night came into vogue, and are arranged by Censorinus (c. 24) in the following order, starting from midnight:

1. *De media nocte*; 2. *gallicinium*; 3. *conticinium*, *general silence*; 4. *ante lucem*; 5. *diluculum*; 6. *mane*; 7. *ad meridiem*; 8. *meridies*; 9. *de meridie*; 10. *suprema*; 11. *vespera*; 12. *crepusculum*; 13. *luminibus accensis*, or, anciently, *prima face*; 14. *concupium*; 15. *intempesta nox*; 16. *ad mediam noctem*; 17. *media nox*.

xv. Expression of the Date.

(Partly from Madvig. *Suppl. to Gram.*)

The division of time into weeks of seven days with distinct names was not used by the ancient Romans (before the introduction of Christianity). The months were distinguished by the names adopted by us from the Romans, excepting that, before the time of the Emperor Augustus, **Julius** and **Augustus** had the names of **Quinctilis** and **Sextilis** (i.e. *fifth* and *sixth* month, March being the first). The days of the month were computed from three leading days in each, which were called respectively **Calendæ** (**Kal.**), **Nonæ** (**Non.**), and **Idus** (**Id.**); to these the name of the month was appended as an adjective. The **Calendæ** was the first day of every .

month; the **Nonæ** and **Idus** the fifth and thirteenth, except in the months of March, May, July, and October, in which they were the seventh and fifteenth respectively. From these days they counted backwards, the days between the 1st and the Nones being reckoned as so many days before the Nones; the days between the Nones and Ides as so many days before the Ides; and the remaining days of the month as so many days before the Kalends of the *next* month. The day immediately preceding any of these reckoning points was called **pridie Nonas**, &c.; the day next but one before was the *third* day before (in consequence of the Nones, &c. being themselves included in the reckoning), and so on.

There are two abbreviated modes of denoting the date; e.g. the 27th of March might be marked as **vi Kal. Apr.**, or **a. d. vi Kal. Apr.** The first is for **sexto (die ante) Kalendas Apriles**; the second for **ante diem sextum Kalendas Apriles**. The latter expression appears to have originally signified *before (on the sixth day) the Kalends of April*; the exact day being thrown in parenthetically, and attracted from the ablative into the accusative case in consequence of following **ante**. Similarly we find the date sometimes denoted by the number of days preceding a festival; as, **a. d. v Terminalia**, i.e. 19th Feb. (the festival of the god of boundaries being on the 23rd Feb.). This expression was considered as one word, before which **in** or **ex** may stand; as, **Ex ante diem iii Nonas Junias usque ad pridie Kalendas Septembres**, *from the 3rd June to the 31st August*; **differre aliquid in ante diem xv Kalendas Novembres**, *to put off something to the 18th October*.

The readiest way of reckoning the day is, (1) if the date lie between the Kalends and Nones, or between the Nones and Ides, to subtract the number of the day mentioned from the number of the day on which the Nones or Ides fall, and add *one* (for the inclusive reckoning): (2) if the date lie between the Ides and the Kalends, to subtract the number of the day mentioned from the number of the days in the month, and add *two* (i.e. one for the inclusive reckoning, and *one* because the Kalends are not the last of the month in which the date lies, but the first of the following month).

In leap year the intercalated day was counted between **a. d. vi Kal. Mart.** and **a. d. vii Kal. Mart.** and denominated **a. d. bissextum Kal. Mart.**, so that **a. d. vii Kal. Mart.** answers as in the ordinary February to Feb. 23, and **a. d. viii Kal. Mart.** to Feb. 22nd, &c. (Hence the name of leap year, **annus bissextilis**.)

Before the reformation of the Calendar by Julius Cæsar, B.C. 45, the number of days in the months were in March, May, July and October, 31; in February 28; in all the rest 29. Hence, as

these four months were two days longer, the Nones and Ides were two days later. This should be remembered in reading Cicero's letters, many of which were written before 45 B.C. After that year the number of days in each month was the same as it is with us to this day.

The following examples suppose the date to be *subsequent to* B.C. 45. The usual abbreviated form is given. [It must be remembered that *Kalendæ*, *Nonæ*, and *Idus* are feminine, and the months *adjectives*; that the date ('*on the first,*' &c.) is in the ablative (*Kalendis*, *Nonis*, *Idibus*); and that *a. d. vi Non. Mart. &c.* is for *ante diem sextum Nonas Martias.*]

Day of English month.	January (So also Aug. Dec.).	April (So also Jun., Sept., Nov.).	March (So also May, Jul., Oct.).
I	Kal. Jan.	Kal. Apr.	Kal. Mart.
2	a. d. iv Non. Jan.	a. d. iv Non. Apr.	a. d. vi Non. Mart.
4	Prid. Non. Jan.	Prid. Non. Apr.	a. d. iv Non. Mart.
5	Non. Jan.	Non. Apr.	a. d. iii Non. Mart.
6	a. d. viii Id. Jan.	a. d. viii Id. Apr.	Prid. Non. Mart.
7	a. d. vii Id. Jan.	a. d. vii Id. Apr.	Non. Mart.
8	a. d. vi Id. Jan.	a. d. vi Id. Apr.	a. d. viii Id. Mart.
12	Prid. Id. Jan.	Prid. Id. Apr.	a. d. iv Id. Mart.
13	Id. Jan.	Id. Apr.	a. d. iii Id. Mart.
14	a. d. xix Kal. Feb.	a. d. xviii Kal. Mai.	Prid. Id. Mart.
15	a. d. xviii Kal. Feb.	a. d. xvii Kal. Mai.	Id. Mart.
16	a. d. xvii Kal. Feb.	a. d. xvi Kal. Mai.	a. d. xvii Kal. Apr.
30	a. d. iii Kal. Feb.	Prid. Kal. Mai.	a. d. iii Kal. Apr.
31	Prid. Kal. Feb.		Prid. Kal. Apr.

PROCTOR, PROCTOR would apply to the father and mother of a son, as well as a son.

Levitz (174, A) is a husband's brother; plus (comp. value), a husband's sister.

agnatus is a *relative through males*; consequently it includes a *soror*, *alla*, *amita*, &c., but not any of their descendants. Cognatus is any *relative by blood*; *avunculus* a *relative by marriage*.

APPENDIX F.

TABULAR ARRANGEMENT OF CERTAIN PRONOUNS.

i. Correlative (pronominal) adjectives.

<i>Demonstr.</i>	<i>Rel. and Interrog.</i>	<i>Indef. Rel.</i>	<i>Indef.</i>
<i>is, that.</i>	<i>qui, which.</i>	<i>quisque</i> } <i>whosoever.</i>	<i>aliquis, some.</i> <i>quis, any.</i>
	<i>uter, which of two.</i>	{ <i>alteruter, one or other of two.</i> <i>uterquisque, whichever of the two.</i>	{ <i>quilibet, any you please.</i> <i>quisvis</i> <i>utervis, whichever (of</i> <i>uterlibet</i> } <i>two) you please.</i>
<i>talis, such.</i>	<i>qualis</i> { <i>of which quality, as,</i> { <i>of what quality?</i>	<i>quallsuncque, of what quality soever.</i>	<i>qualislibet, of any quality you please.</i>
<i>tantus, so great.</i>	<i>quantus</i> { <i>as great,</i> { <i>how great?</i>	<i>quantuscunque, how great soever.</i>	<i>aliquantus, of some considerable size.</i>
<i>tantulus, so small.</i>	<i>quantulus, as small.</i>	<i>quantuluscunque, how small soever.</i>	<i>quantuluslibet, } of any size</i> <i>quantusvis</i> } <i>you please.</i>
<i>tot (indecl.), so many.</i>	{ <i>as many,</i> <i>quōt (indecl.)</i> } { <i>how many?</i>	{ <i>quotcunque,</i> <i>quotquot (indecl.)</i> }	<i>aliquot (indecl.), some.</i>
<i>tōtīdem (indecl.), just so many.</i>			
<i>tōtus (rare), such in numerical order.</i>			
	<i>quōtus</i> { <i>what in numerical order?</i> { <i>which, &c. (rare).</i>		<i>aliquantulum, a little (subst.).</i>

Qualiscunque and *quantuscunque* are also used as simply indefinite (non-relative) pronouns; *aliquantus* is commonly only used in the neuter (*aliquantum, aliquanto*), and then as *substantive* or *adverb*.

ii. Correlative (pronominal) adverbs.

tam, so.	quam, how? as.	quamquam, } however.	quamvis, } however much
tòtles, so often.	quòtles { how often?	quamcunq̃ue	quamlibet } you please.
ita, } thus, so.	ut, how, as.	quotiescunq̃ue, however	quotieslibet, however often
alo		often.	you please.
		utcunq̃ue, however.	allquòtles, sometimes.

iii. The following are the chief (pronominal) adverbs of place.
(Fuller lists will be found in Book II. Chap. xv.)

Quò { whither?	de (=om, accus.?)	bī or ī, dat. or loc.	a, abl. fem.
hūc, hither.	undē { whence?	tibi { where?	Quā { by what way?
eō, thither.	hinc, hence.	hic, here.	hāc, by which way.
isto, istūc, to your place.	indē, thence.	ibi, there.	eā, by that way.
	istim, istinc, from your place.	istīc, there (where you are).	istāc, by your way.
illo, illūc, to that place.	ultim, ulinc, from that place.	illīc, there (where he is).	illāc, by that way (near him).
eōdem, to the same place.	indidem, from the same place.	ibidem, in the same place.	eādem, by the same way.
utrōque, to both places.	utrinque, from both sides.	utrōbique, in both places.	
	undique, from all sides.	ubique, everywhere.	
aliquō, to some place or other.	allicunde, from some place or other.	allicubi, somewhere or other.	aliquā, by some way.
quōvis, } to any place you	undēvis, } whence you	ubivis, } where you please.	quāvis, } by any way you
quolibet } please.	undelibet } please.	ubilibet }	quolibet } please.
utrolibet, whithersoever			
(of two places) you choose.			
quòquam, anywhither (in negative, &c. sentences).			
			usquam, anywhere (in negative, &c. sentences).

[REDACTED]

[REDACTED]

[REDACTED]

&c.)
minuance).

unquam,
neque, etc

interim, } *meanwhile.*
interd }

quondam, } *formerly, or hereafter* (olim is from
olim } *olim (=ille) and so means at that time).*

APPENDIX G.

ABBREVIATIONS.

For abbreviations in Inscriptions see Hübner's Index to *Corp. Inscr. Rom.* I. pp. 610—613 *et passim*, also *supra* App. B. For others, esp. *legal* abbreviations, see Keil's *Gram. Lat.* IV. p. 276 sqq.; and Lachmann's *Gaius*, p. 432 sqq.

For abbreviations of *money*, see App. D. viii., of *date*, App. D. xv.

(1) *First Names (Prænomina).*

A.	Aulus.	Mam.	Mamercus.
App.	Appius.	N. or Num.	Numerius.
C.	Gaius.	P.	Publius.
Cn.	Gnæus.	Q.	Quintus.
D.	Decimus.	S. or Sex.	Sextus.
K.	Kæso.	Ser.	Servius.
L.	Lucius.	S. or Sp.	Spurius.
M.	Marcus.	T.	Titus.
M.	Manius.	Ti.	Tiberius.

Women's names are expressed by inverted characters; as, D for Gaia.

(2) *Titles of Persons, &c.*

CES. or CENS.	Censor or Cen- sores.	PROC. or PRO.	} Proconsul.
		COS.	
COS. ¹	Consul or Consu- les.	PRO. PR.	Proprætor.
		PROQ.	Proqvæstor.
D.	Divus.	P. R.	Populus Romanus.
DES.	Designatus.	Q.	Qvæstor.
F.	Filius.	QUIR.	Qviritēs.
IMP.	Imperator.	RESP.	Respublica.
LEG.	Legatus.	R. P. P. R. Q.	Respublica Populi Romani Qviritium.
L. or LIB.	Libertus, Liberta.	S.	Servus.
MAG.	Magister.	S. P. Q. R.	Senatus Populus- que Romanus.
N.	Nepos.	S. P. P. Q. R.	Senatus Populus Plebesque Ro- mana.
P. C.	Patres Conscripti.		
P. M.	Pontifex Maximus.		
PR.	Prætor, or Præ- tores.		

¹ Not until 3rd cent. p. Chr. was *cons.* used; in Diocletian's time began the custom of doubling the *s* (e.g. *conss.*) to denote the plural (Mommsen, *Liv. Cod. Ver.* p. 189).

TR. MIL.	Tribunus militum.	X. VIR. STL.	Decemvir stlitibus (i. e. litibus)
TR. PL.	Tribunus Plebis.	JUDIK.	judicandis.
TR. POT.	Tribunicia Potes- tate.	XV. V. S. F.	Quindecimviri sa- cris faciundis.
X. V.	Decemvir.		

The name of the tribe to which a person belonged is sometimes added to the name in an abbreviated form; thus, *Pup.* for *Pupiniā*; *Qvl.* or *Qvir.* for *Qvirinā*. See § 1113, and Cælius' letter in *Cic. Epist. ad Fam.* VIII. 8, § 5.

(3) *Sepulchral.*

D. M. S.	Dis Manibus sacrum.	H. S. E.	Hic situs est.
D. S. P.	De sua pecunia.	OB.	Obiit.
F. C.	Faciundum curavit.	P. C.	Ponendum curavit.
H. C. E.	Hic conditus est.	V.	Vixit.

(4) *In voting on trials.*

A.	Absolvo.
C.	Condemno.
N. L.	Non liquet.

In voting on laws.

A. P.	Antiquam (legem) probo.
V. R.	Uti rogas.

(5) *Epistolary.*

D.	Data (est epistola).
S. D.	Salutem dicit.
S. P. D.	Salutem plurimam dicit.
S.	Salutem (dicit).
S. V. B. E. E. V.	Si vales, bene est: ego valeo.
S. T. E. Q. V. B. E. E. Q. V.	Si tu exercitusque valetis bene est: ego quoque valeo.
S. V. G. V.	Si vales gaudeo. Valeo.

(6) *In decrees of the Senate.*

D. E. R. I. C.	De ea re ita censuerunt.
I. N.	Intercessit nemo.
S. C.	Senatus consultum.
Scr. arf.	Scribendo adfuerunt.
V. F.	Verba fecit.

(7) *Miscellaneous.*

A. U. C.	Anno urbis conditæ.	ITER.	Iterum.
D. D.	Dono dedit.	L.	Libertas.
DD.	Dederunt.	M. P.	Mille passuum.
D. D. D.	Dat, dicat, dedicat.	Q. B. F. F. Q. S.	Quod bonum felix faustumque sit.
F. F. F.	Felix, faustum, fortunatum.		

(8) *Modern Latin.*

A. C.	Anno Christi.	L. B.	Lectori Benevolo.
A. D.	Anno Domini.	l. c.	loco citato.
A. M.	Anno Mundi.	l. l.	loco laudato.
a. C. n. }	ante }	leg.	lege, or, legatur.
p. C. n. }	post }	L. S.	Locus Sigilli.
c.	caput, capitis, &c. (<i>chapter</i>).	MS., MSS.	Manuscriptum (or Manuscriptus, sc. liber), Manuscripta, or -ti.
cet.	cetera.		
cf.	confer, or, conferatur.	N. B.	Nota bene.
Cod., Codd.	Codex, Codices.	N. T.	Novum Testamentum.
coll.	collato, or, collatis.	obs.	observa, or, observetur.
comp.	compara, or, comparetur.	P. S.	Postscriptum.
del.	dele, or, deleatur.	q. v.	quem, or quod, vide.
D. O. M.	Deo optimo maximo.	sc.	scilicet.
ed., edd.	editio, editiones.	sq., sqq.	sequenti, sequentibus.
e. g.	exempli gratiâ.	s. v.	sub voce.
etc. or &c.	et cetera.	vid.	vide.
h. e.	hoc est.	viz.	videlicet.
I. C.	Jesus Christus.	v.	versus, versum, &c.
Ictus.	Juris consultus.	v. c.	verbi causa.
ibid.	ibidem.	V. cel.	Vir celeberrimus.
id.	idem.	V. cl.	Vir clarissimus.
i. e.	id est.	V. T.	Vetus Testamentum.
i. q.	id quod.		
L. or Lib., Libb.	Liber, Libri.		

Select Index.

The numbers denote sections, unless *p.* (for *page*) is prefixed.

- | | | |
|---|---|---|
| <p>ab-, <i>p.</i> 388
 abavus, <i>p.</i> 382
 abolere, 209, 2; <i>p.</i> 252
 abstemius, 990
 absurdus, 816, <i>c</i>
 -ābundo-, 819
 ac, 109
 accensus, 788, <i>a</i>
 acceptilatio, 983, <i>c</i>
 accipiter, 905
 accusare, 990
 -āceo-, 920
 acer, 430
 Acheruns, 497
 Achillei, 482
 -āci-, 779
 aciei, 357, <i>b</i>; 360, <i>a</i>
 acies, 343
 acii, 357, <i>d</i>
 -āco-, 773
 acroama, 317
 āctus, 151, 1 <i>note</i>
 acuai, 94, 2
 a. d., <i>p.</i> 454
 ad-, <i>Comp. of, pp.</i> 381, 382, 388
 adagium, 129, 2, <i>d</i>
 adfatim, 803
 adīt, 662
 aditio, 144, 2
 adnepos, <i>p.</i> 382
 adorea, 919, 2, <i>b</i>
 aduncus, <i>p.</i> 382
 adqve, 158, 2
 adsum, 160, 9
 æ, <i>sound of, Pref. p.</i> lxxv
 ædes, 331, 1
 ædituus, <i>p.</i> 393</p> | <p>-ælo-, 871
 -æno-, 836
 æquinoctium, <i>p.</i> 387
 æqviperare, 993
 aërem, 507
 ærumna, 825
 æs excurrens, <i>p.</i> 448
 Æsculapius, 220, 7
 Ætna, 152, 4
 af, 97
 affinis, 390
 agcora, 162
 age, 398
 agere, <i>Comp. of, pp.</i> 992, 997
 agnatus, <i>p.</i> 457
 agnomen, 990
 -āgōn- (āgīn), 845
 ah, 999
 ahenus, 836
 Ajax, 129, 2, <i>d</i>; <i>p.</i> 240
 ajo, 129, 2, <i>d</i>; 201, 5; 240
 -aio-, <i>Prop. n.</i>, 951
 aire, airid, 467
 Aisclapi, 259, ii. 2
 ala, 871
 alapa, 110, 3
 Alcumena, 200; 476, <i>c</i>
 Alexandria, 229, ii.
 -āli-, 880
 aliæ, <i>dat. gen.</i>, 373
 alienigenus, 996
 -ālio-, 938
 alioqvi, 168, 4
 alis, 373
 alituum, 444
 alius, 373
 aliuta, 510</p> | <p>-allo-, 868
 -ālo-, 871
 alsia, <i>p.</i> 240
 alteræ, <i>dat.</i>, 372
 alticinctus, 998
 alveo, 232, 3
 amanuensis, 815, 1
 amb-, <i>pp.</i> 382, 388
 ambire, 730
 ambulare, <i>comp. of, pp.</i> 992
 amentum, 792
 amicui, <i>p.</i> 240
 amphorum, 364
 amplus, 70
 ampsancti, 70
 amurca, 219, 3
 anceps, <i>p.</i> 382
 ancile, 882, 2
 Androgeos, 478
 -āneo-, 923
 angina, 824, <i>c</i>
 angvimanus, 391
 angvis, 126, 3
 angustus, 201, 3; 789
 -āno-, 830
 anser, 900, 2, <i>a</i>
 ante-, <i>p.</i> 388
 ante diem, <i>p.</i> 454
 anteit, 232, 3
 antid, 160, 6
 antiqvus, 772
 Antoniaſter, 889
 Anxur, 324
 aperibo, 603
 aperire, <i>p.</i> 254
 Apolones, 464
 apor=apud, 160, 10
 applicare, <i>p.</i> 255</p> |
|---|---|---|

Aprilis, 882
 aprugnus, 826
 aput, 130
 aqvilex, *p.* 392
 -ār-, 897
 ar=ad, 160, 10
 aranea, 203
 arbiter, 888, 2, *a*
 arcessere, 625
 -āri-, 906
 ariete, 142
 -ārio-, 942
 arfuisse, 160, 10
 Argiletum, 798
 Argos, 324
 armilustrium, *p.* 392
 armisonus, 997
 -āro-, 884
 -āro-, 890
 arqvi, 395
 ars, 803
 artifex, 979
 arvocatos, 160, 10
 arx, 107, 2
 assus, 787; *Pref. p.* lxx
 -astēro-, 889
 -astro-, 889
 -āt-, 804
 -āt-, 809
 atavus, *p.* 382
 Atho, 478, 4
 -ati-, 809
 -ātīco-, 770
 -atīli, 878
 -āto-, 796
 attat, 999
 -ātu-, 801
 au- (*for* ab), 78, 3
 auceps, *p.* 391
 ave (have), *p.* 241; *p.* 81, *n.*
 augur, *p.* 392
 -aullo-, 868
 -aulo-, 871
 aurei, aurea, 232
 -auro-, 891
 aurora, 801
 ausculari, 250, 4
 ausim, 620
 auspex, *p.* 393
 auxilium, 937

axilla, 870, 2, *b*
 Azabenico, 195
 b-, 752
 babæ, 999
 Bacas, 106
 balbus, 174, 3
 balneæ, 369, 922
 barbarus, 741, 1
 bellipotens, 997
 Bellius, 76
 bellum, 76
 Beneventum, 90, 3
 benevolus, 997
 benignus, 997
 -bēr-, 901
 -bēri-, 901
 -bēro-, 886
 bes, *p.* 447
 Besbius, 72; *Pref. p.* xlii
 betere, 91, 3
 -bi-, 752
 bi-, *Comp. of*, 987
 bibere, 741, 2
 bidental, 880, 2, *b*
 bifidus, 997
 biga, 987
 bigatus, *p.* 445
 -bīli-, 876
 -bio-, *Prop. names*, 945
 bipartitus, 998
 bis, 76
 bisulcus, 997
 -bo-, 751
 bonus, 76
 bos, 392
 bozare, 209
 boverum, 469
 -bri-, 901
 -brio-, 941
 -bro-, 886, *Pref. p.* xlvi
 Bruges, 74
 bruma, 753, 2, *b*
 bubile, 76
 bubulcus, 771
 -būlo-, 861
 buris, 897
 Burrus, 74
 bustirapus, *p.* 393
 Buxentum, 791.
 buxus, 322

c, *sound of*, 104, *sqq.*,
Pref. p. xlvii
 -c-, 776
 cædere, *Comp. of*, 992
 cænum, 121
 cæruleus, 176, 7
 cæstus, 800
 calamitas, 810
 calare, *Comp. of*, 992
 calecandam, *p.* 425
 calefacere, 994
 calx, '*heel*', 174, 2
 cancellare, 957
 canere, *Comp. of*, *p.* 395
 cānis, 448
 canterius, 181, 3
 capere, *Comp. of*, 391, 395
 capessere, 625
 carnifex, 997
 carnivorus, *p.* 393
 cāro, 449
 casmena, 183, 1, *d*
 castra, 330, *f*; 888, 2, *c*
 castrare, 970
 cāvē, 279
 cavi, 669
 caupo, 851
 causarius, 942, 1
 caussa, *p.* 58, *n.*
 -ce, 374, 375
 cēdo, *p.* 242
 celatūm, 365, *c*
 celer, 430
 Celeres, 900
 celsitudo, 847
 celsus, 787, *b*
 censento, 586
 censere, *Pref. p.* lxx
 centenus, 823
 centesima, *p.* 450
 -cento-, 795
 centum, 794
 centum-, *Comp. of*, 987
 centuria, 940
 centussis, *p.* 385
 cerdo, 851
 cerritus, 799
 cervus, 761, 2, *a*
 cerus, 843
 cesna, 836
 cesor, 168

- ceteroqvi, 168, 4
 cette, 150; *p.* 242
 chirografis, 98
 chommoda, 132
 choronas, 132
 -ci-, 776
 cieo, 240, 2; *p.* 242
 -cīnā-, *verbs*, 967
 cincinnus, 741
 cinefactus, 994
 cinerarius, 942, 2, *a*
 ciniflo, *p.* 392
 -cīnio, 936
 -cīno-, 840
 -cio-, 930
 -cio-, *Prop. names*, 946
 -ciōn, 853
 circlus, 225
 circum-, *Comp. of*, *p.* 283
 cīvis, 765
 civitas, 445
 clanculum, 862, 1
 Claudī, 193, 5, *b*
 Claudius, 944
 clepere, *p.* 242
 -clo-, 862
 cloaca, 773
 cludus, 221, 2
 cluere, *p.* 243; § 773
 clupeus, 224, 1
 Clutemestra, 54
 co- (*for com*), 86, 4
 -co-, 767
 cocles, 805
 coēpi, *p.* 243
 cognatus, *Pref. p.* lxxx
 colere, *Comp. of*, *p.* 391
 collega, 175
 colliqvīæ, 228, 4
 columen, 225; 850, *b*
 cōlus, 398
 com-, *Comp. of*, *p.* 388
 comestum, *Pref. p.* lxiii
 comissari, 189, ii. 3
 comminus, *p.* 382
 commodus, *p.* 389
 compectum, *p.* 253
 compilare, 971
 compluria, 432
 conclave, *p.* 389
 concubium, *p.* 453
 condicio, 110, 4
 confestim, *p.* 220, *n.*
 conlega, 175; *p.* 382
 conqviniscere, 631; 635
 consentis (dii), 807
 consobrinus, *p.* 457
 conticinium, *p.* 453
 contio, 110, 4
 contubernium, *p.* 382
 contumelia, 937
 conubium, 142
 conventicium, 931
 convicium, 184
 Coos, 478, 4
 coplata, 225
 corcodilus, 184, 4
 corculum, 862, 2, *c*
 corium, 209, 2
 cors, 134; 802
 cos, *p.* 461
 -cōso, 814
 cosol, 86, 4
 Cossus, 788, *a*
 cotta, 781
 crapula, 219, 2
 creduas, 589
 creduis, 589
 crepare, *Comp. of*, *p.* 391
 crepida, 502
 crepundia, 933
 creterra, 507
 -cri-, 902
 -cro-, 887
 Ctesipho, 496
 -cto-, 790
 -cu-, 776
 cui, 222
 cuium, 379; 383
 cujus, cujum, 379
 culleus, 219, 3
 culmen, 850, *b*
 -cūlo-, 862
 culter, 888, 2, *a*
 cunæ, 835
 cunctus, 941, *b*
 -cundo-, 820
 cuniculus, *p.* 324
 cuppedo, 848
 cur, 539
 cura, 892
 curia, 94, 2
 curulis, 881
 curvus, 761, 1
 d *final, sound of, Pref.*
p. lvi
 -d-, 822
 damma, 835
 damnas, 445
 damnum, 825
 dampnum, 70
 Danuvius, 72
 dare, *Comp. of*, 243; 391;
 395
 datatim, 534
 de-, *Comp. of*, *p.* 382, 389
 decem, 987
 declivis, *p.* 389
 decrepitus, 787
 decumanus, 830
 dede = dedit, 152, 5, *b*
 dedecorus, *p.* 389
 dedro, 213, 1
 deferbui, 76
 degener, *p.* 389
 dehinc, 136, 3
 dei, deis, 345
 dein, 232, 2
 delere, *p.* 249
 delirare, *p.* 389
 demum, 754
 dentum, 419
 denuo, 511, 2
 desii, 662; *p.* 259
 deus, 345
 dexter, 347
 di-, *comp. of*, *p.* 382
 -di-, 821
 Diana, 287, 1, *e*; 831
 Dibus, 368, *b*
 dic, 582
 dīca, 369
 dīce, 86, 1; 600
 dicere, *Comp. of*, *p.* 391;
 395
 dicio, 110, 4
 dice, 355
 Dido, 481
 dies, 357, 360
 Diespiter, 989
 differtus, *p.* 244
 dimidium, *p.* 244

-dio-, *Prop. names*, 947
 Diove, 465
 dirimere, 184, 3
 diribitor, 908, *b*
 dirrumptum, *p.* 257
 disertus, 787
 dispennite, 166
 dispessum, *p.* 253
 dissicere, 144
 distennite, 166
 distingvere, 149, 2
 diuturnus, 827
 dixti, 663
 -do-, 816
 domicilium, 929, *c*
 domos, *gen.*, 463
 domus, 394
 -dön- (*dŷn*), 846
 donec, 528
 dormire, 209, 3
 -dro-, 889
 Drusus, 155
 -du-, *p.* 386
 dubius, 926
 Duellius, 76
 duellum, 76
 duelonai, *p.* 419
 duim, 589
 dvis, 76
 duo, *inflexions of*, *p.* 442
 dulcis, 176, 3
 -dum, 528
 dumus, 193
 dupondius, *p.* 245

e, *sound of*, *Pref. p.* lxix
 ē. *Comp. of*, *pp.* 383, 389
 -ēbā-, *imperf. ind.* 607
 -ēbundo-, 818
 -ēc- (*ŷc*), 777
 -ēc-, 780
 ec (= ex), 542
 ecastor, *p.* 398
 ecce. *p.* 398
 eccere, *p.* 398
 ecqvis, 381
 ecurria, 940
 ecus, 350
 -ēd- (*ŷd*), 822
 -ēd-, 822
 edepol, *p.* 398

ēdēre, 729, 732
 edim, 589
 -ēdön- (*ēdŷn*), 848
 -ēdŷlo-, 865
 effutire, 974
 egelidus, *p.* 383
 egestas, 811
 Egnatia, *Pref. p.* lxxxi
 egregius, *p.* 389
 ehem, 999
 eho, 999
 ei, 377
 ei, *interj.*, *p.* 397
 eia, 999
 eicit, 144
 -eio-, 943
 -eio-, *Prop. names*, 951
 eius, *as monosyll.*, 232, 2
 elefantus, 98
 elementa, 792
 elephas, 495
 -ēli-, 881
 -ēlio-, 939
 elixus, 787
 -ello-, 869
 -ellŷlo-, 866
 -ēlo- (*ello*), 872
 elogium, 929, *d*
 em, *pron.*, *p.* 377
 em, *interj.*, *pp.* 397, 398
 eminus, *p.* 382
 emptus, 151, 4
 en, *interj.*, *p.* 398
 -ēn-, 849
 -ēn- (*ŷn*), 849
 -endo-, 817
 endo, *prep.*, 513
 enim, 532
 enixa, *p.* 251
 -ēno-, 836
 -ensi-, 815
 -enti-, 807
 -entio-, 953
 ento, 791
 -eo-, 919
 eodem, 232, 3
 eous, 229
 eqvidem, 531
 eqvos, 350
 -ēr-, 900
 -ēr- (*for* *ēs*), 914

-ēr- (*for* *ŷs*), 915
 er, 920
 ēra (*hera*), 885
 erciscundæ, 618
 -ērē-, *imperf. subj.*, 609
 erebum, 485
 erepsemus, 663
 -ēri-, 900
 -erim, &c., 592
 -erno-, 828
 -ēro-, 885
 -ēro-, 894
 erudire, 974, (4)
 -ērunt, *perf.*, 577
 -ēs- (*ēr*), 914
 es, 567; 720
 esca, 767, 2, *b*
 escit, 722
 esi, 670
 -ēsŷmo-, 758
 est, 151, 2; 721
 -estāt-, 811
 -estēri-, 904
 -esto-, 789
 -estri-, 904
 estod, *p.* 190, *n.*
 estur, 732
 esurire, 976
 -ēt-, 804
 -ēt- (*ŷt*), 805
 et, 535
 -ēti-, 812
 -ēto-, 798
 eugepæ, *p.* 398
 examen, 850, *b*
 excellui, *p.* 242
 exemplum, 70
 exest, 732
 eximius, 926
 exosus, *p.* 252
 expergiscor, *p.* 257
 experiri, *p.* 254
 expilare, 971
 exsecrari, *p.* 389
 exta, 788, *c*
 extemporalis, *p.* 389
 extinxem, 663
 extorris, 234, 5
 exuere, 972
 exuviæ, 928, *a*

fabrefactus, 997
 fabrum, *gen. pl.*, 365
 facere, *Comp. of, pp.* 391, 395; § 994
 facessere, 625
 facie, 357, *c*; 360, *b*
 facii, 360, *c*
 factu, 397
 fænisex, *p.* 393
 fagus, 99, 2
 fallere, 99, 2
 fames, 99, 4; 412
 fami, 360
 familia, 928, *b*
 famul, 346
 far, 455
 farcire, 99, 2
 fari, *p.* 246
 -fariam, 526
 fas, 459
 fastus, 396
 fatur, *p.* 246
 faxem, 663
 faxo, 620
 febricitare, 965
 febris, 901
 fecid, 158
 fel, 99, 4
 femur, 454
 fendere, 99, 6
 fera, 99, 6
 feralia, *p.* 335
 ferire, *p.* 220, *n.*
 ferre, 235
 ferre, *Comp. of, pp.* 245; *p.* 391
 festus, 704, *note*
 fetialis, 110, 4
 fictus (*from figo*), *p.* 245
 ficus, 395
 fidei, 357, *b*; 360, *a*
 fidejubere, 982
 fidere, *Comp. of, p.* 395
 fides, 240, 4; 421
 fidi, 357, *d*; 360, *c*
 fidicen, 997
 fingere, 99, 6
 fio, 729
 -fio-, *Prop. names*, 946
 flamen, 129, 2, *c*; 850, *a*
 flamonium, 934

Flavius, 90, 3
 fluere, 99, 2
 fluere, *Comp. of, p.* 395
 -fo-, 766
 focaneus, 933
 fodere, *Comp. of, p.* 392
 foedifragus, *p.* 392
 forās, forīs, 884
 forctus, 134, 3
 forda, 134, 3
 fordeum, 134, 3
 fordicidia, 929, *c*
 forīs, 99, 6
 formido, 848
 formonsus, 168
 fortis, 802
 fortuitus, 799
 forus, 884
 fragosus, 813
 frangere, *Comp. of, p.* 392
 fraudare, *Comp. of, p.* 392
 fraus, 421
 fremere, 99, 3
 frenum, 99, 4
 fretense, 815
 frētus = frētum, 396
 frētus, 692
 friare, 99, 4
 fricare, *Comp. of, p.* 392
 frivolaria, 942, 2, *b*
 frivolus, 856
 fros, 421
 frudare, 221, 2
 frunisci, 631; *p.* 246
 frui, *p.* 246
 frustra, 509
 fructum, 790
 frux, 442
 fuam, 722
 fugere, *Comp. of, p.* 392
 Fulviaster, 889
 Fulvius, 218, 2
 fumus, 99, 6
 funda, 99, 2; 817, 2
 fungus, 99, 2; 193, 1
 funis, 99, 4
 furere, *p.* 246
 furfur, 899
 futilis, 220, 2; 878
 fuvi, 723

-g-, 784
 Gaius, 139
 gallinacius, 920
 Gavius, 945
 gaudere, 126, 2
 gelu, 398
 genitum, 698
 -gento-, 795
 genuinus, 838, *a*
 gerere, *Comp. of, p.* 392
 gerræ, 883
 -gi-, 784
 gignere, 628
 ginnus, 824
 -gīno-, 826
 -ginta, 794
 -ginti, 794
 -gio-, *Prop. names*, 946
 glans, 821
 glaucumam, 492
 gloria, 127
 glos, *p.* 457
 gn, *Pref. pp.* lvii, lxxix
 Gnæus, 129, 3
 gnaruris, 909
 -gneo-, 922
 -gno-, 826
 -go-, 783
 -gōn- (gīn), 845
 gramen, 850, *b*
 grandiloquus, *p.* 392
 grando, 126, 3
 grates, 418
 gratis, 367; 418
 gratus, 126, 3
 grus, 392
 gryphi, 489
 -gvi-, 784
 gula, 859
 -gvo-, 783
 gurdus, 816
 gurgulio, 741, 1; 852
 gurgustium, 932, *c*
 hactenus, 509
 hæerere, *Pref. p.* lxxv
 haruspex, 136, 4; *p.* 393
 haud, 160, 11
 have (ave), *p.* 241
 hausurus, *p.* 247; *Pref. p.* lxxv

- haut, 150
 hebes, 417
 hei, *p.* 397
 heia, 999
 hem, 999
 herba, 230, 4
 hercle, *p.* 398
 Herennius, 948
 heri, here, 524, 3
 heus, 999
 -hi-, 785
 hibernus, 86, 5
 hibus, 377
 hiemps, 70; 192, 2
 hinnus, 824
 hir, 134
 hisce, *nom.*, 363, 376
 hiscere, 638
 -ho-, 785
 hoc, 160; 11
 homicida, *p.* 389
 homo, 449
 horctus, 134, 3
 horda, 134
 horitur, 237, *n.*
 hornus, 823
 horrificus, *p.* 391
 horrisonus, *p.* 393
 horsum, 512
 hospitium, *gen.*, *p.* 150
 hostire, 974, (4)
 hui, 999
 huic, 222
 humi, 134, 2

 jacere, *in compos.*, 144
 -iāco-, 775
 jam, 141, 3
 -iāno-, 832
 Janus, 143, 1
 ibo, 603
 -ībundo, 818
 ĩbus, 377
 -ĭc- (*for* ĕc), 777
 -ĭc-, 778
 -ĭc-, 781
 -ĭcā- (*verbs*), 962
 iccirco, 109, 1
 -ĭci-, 781
 -ĭcio-, 930
 -ĭcio-, 930

 ico (icio), *p.* 247
 -ĭco-, 768
 -ĭco-, 774
 -ĭctūlōso, 814
 identidem, 531
 idoneus, 924
 -īdōn- (īdĭn), 848
 iecit, *p.* 247; *cf.* 14
 jēcū, 250, 2; 454
 -iēno-, 837
 -iensi-, 815
 -ier, *infin.*, 614, 615
 ignoscere, 984
 ignoturus, *p.* 251
 -īgōn- (īgĭn), 845
 -ĭlā (*verbs*), 968
 -ĭlāgōn (ĭlāgĭn), 845
 -ĭlēno-, 837
 -ĭli, 875
 -ĭli-, 882
 ilicet, 982, *a*
 ilico, 511, (1)
 -ĭlio-, 939
 -illā- (*verbs*), 968
 ille, 373
 illico, *see* ilico
 illim, 532
 illius, 373
 -ĭllo-, 870
 -illūlo, 866
 -ĭlo-, 867
 -ĭlo, 873
 imago, 843
 imbuerē, 972
 immanis, 843
 immo, 85, 1; 511
 immunis, *p.* 383
 -ĭmo-, 754
 impete, 443
 in (*for* is-ne), 193, 2
 in-, *Comp. of*, *p.* 383; 389
 in- = 'not,' *Comp. of*, *p.* 381; 383
 incessere, 625
 inchoare, 136, 3
 incīle, 882, 2, *b*
 incohare, 136, 3
 incolumis, 209, 2; *p.* 383
 indagare, 970
 indago, 845
 indigena, 985

 indo, *prep.*, *p.* 381
 indoles, 985
 indultum, *p.* 247
 industria, 985
 indutiæ, 110, 4
 -ĭnēr, 905
 infandus, 984, *c*
 infera, *p.* 424
 infestus, *p.* 220, *n*
 ĭfit, *p.* 245
 ĭfitias, 369; 928, *a*
 ingenium, 929, *a*
 ingens, *p.* 383
 ingenuus, 762, 1, *a*
 ingluvies, *p.* 389
 -ĭno-, 823, 824
 -ĭno-, 838, 839
 inqvam, *p.* 248
 inqvilinus, 839
 -inqvo-, 772
 instaurare, 971
 instigare, 971
 inter-, *Comp. of*, *p.* 383
 intercus, 443, 990
 interdius, 513
 interduim, 589
 interduo, *p.* 191, *n.*
 internuntius, *p.* 381
 interpolis, *p.* 381
 interpres, *p.* 381
 interrex, *p.* 389
 intertrimentum, *p.* 381
 intrinsecus, 532
 invitus, 787
 -io-, 926—929
 -iōn-, 852
 -iōr (*for* iōs), 917
 -iōs-, 917
 -iōso-, 814
 Jovis, 392
 Joum, 469
 ipsimus, 754
 -īqvo-, 772
 -ĭro-, 895
 -īro-, 889
 irritus, 787
 -ĭs- (ēr), 914
 -issūmo-, 755
 istimodi, 373
 -ĭt- (*for* -ēt-), 805
 ĭt, 662

- ītā- (*verbs*), 965
 -ītāno-, 833
 iter, 900
 iterum, 888
 -īti-, 812
 itidem, 524, 1
 -ītie-, 932, *b* (3)
 -īto-, 799
 jubere, 76
 juglans, 989
 jugulæ, 859
 jugum, 141, 2
 jumentum, 792
 Juppiter, 141, 2
 -īvo-, 763
 jurgare, 997
 jurisconsultus, 983, *c*
 jus, 141, 2
 jus, 141; 918
 jusjurandum, 983, *b*
 justitium, *p.* 393

 Kalendæ, 817
 Kalendarium, 942
 Kastorus, 213, 6; *p.* 426

 -l-, 874
 Labici, *Pref. p.* xlii
 labor, 75, 3
 lac, 176, 3; 418
 lacruma, 174, 4
 lact, 418
 lactare, 964
 lacus, 394, 776
 lagoena, 208, ii. 2
 lamentum, 176, 3
 lana, 203
 lapicidinæ, *p.* 391
 laqvear, 906
 larua, 94, 2
 lases, 183, 1, *a*
 latro, 851
 lavēre, *Pref. p.* xcix
 Lavici, *Pref. p.* xlii
 laurus, 398
 laus, 446
 lautia, 932, *c*, 2
 -lco-, 771
 lectisternium, *p.* 393
 legere, *Comp. of, p.* 392
 lenibo, 603

 -lenti-, 807, *fin.*
 -leo-, 925
 lessus, 800
 levasso, 622
 levir, 174, 3
 -li-, 874
 līber, 886, 2, *a*
 libet, *p.* 249
 libripens, *p.* 393
 licere, liceri, *p.* 249
 licet, *p.* 249
 -līco-, 771
 lien, 423
 -līmo-, 756
 limus, 110
 -līno-, 841
 -lio-, 937
 -lio-, *Prop. names*, 949
 liquefacere, 994
 liquidus, 243, 1
 lis, 152; 176, 3
 litigare, 992
 littera, 888, 2, *b*
 -lo-, 855
 loculi, 330
 locuples, 812
 locus, 152; 176, 3; 369
 loidos, *p.* 427
 loqui, *Comp. of, p.* 392
 -lōso-, 814
 lucrifacere, 983, *c*
 lucrum, 887
 ludificare, 993
 lugubris, 901
 lupus, 66, 5
 lustrare, *Comp. of, p.* 392
 lustrum, 888, 2, *c*
 luxuries, 343

 -m-, 759
 Maarco, *p.* 429
 machina, 239, ii. 3
 macilentus, 798
 mactare, 964
 macte, 516
 mactus, 787
 Maia, 137
 māla, 871; *cf.* 870, 2, *b*
 maledicus, 997
 malevolus, 997
 malus, 201, 3

 mandare, 970; 997
 mane, 423
 manipulus, 860
 manifestus, 998
 manupretium, 989
 Marcipor, 456
 Marcus, 767, 2
 mare, 429
 martulus, *p.* 324
 massa, 189, *c*
 matertera, 888, 2, *b*
 Matho, 132
 maxilla, *p.* 870, 2, *b*
 med, 385
 mediastinus, 840
 Medientius, 195
 medius, 230, 2
 medius fidius, *p.* 398
 mehercules, *p.* 398
 mel, 453
 melos, 485
 memini, *p.* 249
 Memmiadæ, 475, *c*
 memor, 429
 -mēn- (*mīn*), 850
 mens, 230, 2
 menstruus, 762
 mensum, *gen. pl.*, 460
 mentiri, 974
 -mento-, 792
 mercennarius, 160, 4
 mercurus, 136, 3
 mereri, 734
 mereta, *p.* 425; *cf.* 693
 mereto, *p.* 423
 merges, 805
 meridies, 988
 mers, 414
 mertare, 191, 3
 messui, *p.* 212, *n.*; 250
 -mēt, 389
 -mēt- (*mīt*), 806
 metus, 396
 Mezentius, 189, 3
 mi, 345
 -mi-, 759
 mille, *p.* 442
 millia, 177, 1
 miluus, 94, 2
 -mīni (*in verbs*), 572
 -mīno-, 825

-mīno (*imperative*), 587
 Minoidi, 500
 -mio, *Prop. names*, 945
 mis, 386
 misereri, *p.* 250
 mitigare, 993
 mixtum, 700
 -mnio-, 934
 -mno, 835
 -mo-, 753
 modestus, 789
 molas, 356, *b*
 molestus, 789
 monēta, 798
 -mōnio-, 935
 monstrum, 888, 2, *c*
 monstruosus, 814
 moralis, 880
 mordicus, 543
 morigerus, *p.* 392
 mostellaria, 168, 3, *c*
 mucus, 220, 1; 767, 2, *a*
 Mulciber, 455
 mulgere, *Comp. of*, *p.* 392
 muliebris, 185, 2
 multifidus, 997
 multimodis, 983
 multo, *Comp. of*, 988
 mundus, 817
 munia, 458
 municipium, *gen.*, *p.* 150
 munis, 423
 musca, 767, 2, *b*
 muscipulum, 858
 mutare, 211, 3
 mutilus, 867
 mutus, 787
 myrtus, 396

 nævus, 761, 2, *a*
 nanciam, *p.* 251
 nascor, 129, 3
 nassiterna, 829
 nasturtium, 110, 2
 nasutus, 797
 nauci, 369
 nausea, 239, *il.* 2
 -ndio-, 933
 ne-, *Comp. of*, 984
 nē (*not* næ), 523
 necesse, 432; 800

necessus, 432
 nefandus, 984, *c*
 nefas, 459
 nefrens, *p.* 381
 negare, 127
 negligi, *p.* 249
 negotium, 110, 4
 nemine, 373
 nempe, 517
 -neo-, 922
 nepos, 811
 Neptunus, 835
 neqveuntis, 616
 neqviter, 733
 Nēro, 165; 851
 nevis, 728
 nexui, *p.* 251
 nf, *effect of*, 167; *cf. Pref.*
 p. lix
 -ni-, 843
 nihilum, 369
 ninguit, 632
 -nio-, 934
 -nio-, *Prop. names*, 948
 nisi, 524
 nitela, 160, 4
 nitor, 997
 -no-, 823, 824
 noctivagus, 997
 nœnum, 86, 2
 non, 528
 nonaginta, 794
 nonvīs, 728
 nōnus, 754
 -nōr- (*for* nōs), 911
 -norma, 753, 2, *b*
 -nōs- (nōr), 911
 novem, 209, 4
 noxior, *p.* 436
 ns, *effect of, Pref. p.* lix;
 § 187
 nucerum, 469
 nucifrangibula, 861
 nudius tertius, *p.* 380;
 § 983, 3
 nullius, 372
 numero, 511, (1)
 nundinæ, 211, 3; *p.* 386
 nuntius, 110, 4; 932
 nurus, 896
 autiqvam, 524

nutricius, 927

 o, *sound of, Pref. pp.* lxix,
 sqq.
 ob-, *Comp. of, pp.* 381;
 389
 obesus, 787
 obinunt, 631
 obiter, 541
 obliquus, 772; *p.* 383
 obnoxius, *p.* 389
 obsecrare, 990
 obstipui, 224, 1
 obstipus, *p.* 383
 occasus, 735
 occipitium, *p.* 383
 ocellus, 231, 2
 -ōci-, 780
 -ōd-, 822
 odi, *p.* 252
 odivi, *p.* 252
 odor, 916
 œ, *sound of, Pref. p.* lxxv
 Œdipus, 499
 -oeno-, 834
 officina, 839, *b*
 officium, 929, *a*
 ohe, 279; 287, 1, *c*; 999
 oino, 86, 2
 oitile, 264, 1; 427
 -ōlā- (*verbs*), 968
 ōlat, *p.* 252
 ōlere, *p.* 252
 olim, 532
 -ōlio-, 939
 olla, 250, 1
 -ollo-, 868
 -ōlo-, 856
 -ōlo-, 871
 omnipotens, 997
 -ōn- (īn), 844
 -ōn-, 851
 -ōneo-, 924
 -ōno, 834
 onyx, 323
 opifex, *p.* 391
 opiparus, *p.* 393
 oportet, *p.* 252, § 973
 oportunus, 78, 4
 oppido, 511, (1)
 opportunus, *p.* 389

opprobare, *p.* 389
 ops, 437
 optimus, 757
 -ōr-, 898
 -ōr- (*for* -ōs-), 910
 -ōr- (*for* -ōs-), 916
 -ōr-, 907
 orcinianus, 832
 ordia prima, 982, *c*
 orīmur, &c., *p.* 252
 -ōro-, 884
 -ōro-, 891
 orum, 250, *i*
 -ōs- (ōr), 910
 -ōs- (ōr), 916
 oscen, 997
 -ōso-, 813
 ossuum, 398
 Ostia, 932, 2, *b*
 osus, 735
 -ōt-, 804
 -ōt-, 911
 Otho, 132
 -ōti-, 811
 otium, 110, 4
 -ōto-, 797
 ovis, 318

 -p-, 750
 pacisci, *p.* 253
 pælex, 777
 pæninsula, 983
 pænitet, *p.* 253
 palam, 526
 Palatinus, 838, *b*
 palatium, 932, *c*, (2)
 palatum, *p.* 358
 Pampilus, 65
 pangere, *p.* 253
 panis, 423
 pannucius, 921
 panus, 824
 Papirius, 65
 Papisius, 183
 parare, *Comp. of, p.* 393
 Parcæ, 767, 2, *b*
 parēre, *Comp. of, p.* 393,
 395
 parietinæ, 839, *b*
 Parilia, 176, 7
 parricida, *p.* 391

parsimonia, 935
 partei, 466
 partus, 464
 pascere, 635
 passus, *p.* 451
 paterfamilias, 356, *b*
 patricius, 110, 4
 Patricoles, 208
 patrīmus, 753
 -pe, 121, 4
 peculium, 937
 pecunia, 934
 pediseqvus, *p.* 393
 pejerare, 143, *i*
 pejor, 143, *i*
 pelage, 485
 pelagus, 338
 pelex, 777
 pendēre, *Comp. of, p.* 393
 pēnitus, 544
 penna, 824, *c*
 penu, 398
 per, *Comp. of, p.* 384, 389
 peraccommodatus, 384
 percepset, 663
 perdere, *in pass., p.* 244
 perduellis, *p.* 389
 perduint, 539
 perendinus, 823
 peritus, *p.* 254
 perjurus, *p.* 389
 permities, 340
 peropus, *p.* 384
 perosus, *p.* 252
 perperam, 526
 Perses, 482
 pertica, *pp.* 451, 452
 pessimus, 757
 pessum dare, 369; 788, *c*
 pestis, 803
 petere, *Comp. of, p.* 393
 petīt, 662
 petulans, 808
 -pho-, 750
 phui, 999
 phy, 999
 -pi-, 750
 pictura, 240, 4
 piget, *p.* 254
 pignus, 458
 piissimus, *p.* 436

Pilonices, 65
 pilumnoe, 264, 3; 361
 pinguis, 240, 5
 pinus, 110, *i*; 398; 839,
b
 -pio-, *Prop. names*, 945
 Piræea, *p.* 166, *n*
 pīrata, 239, *ii.*, 4
 pitvita, 98
 platea, 919, 2, *b*
 plaustrum, 888, 2, *c*
 plebei, 357; 360
 plebi, 357, *d*
 pleps, 78, 411
 plerique, 754; 894
 -plo-, 860
 plus, *p.* 432
 -po-, 750
 pol, *p.* 398
 Pollio, 177
 Pompei, 139; 353
 Pompeius, 138
 pondo, 369
 pone, 522
 pono, 185, *i*
 Poplicola, 992
 poplæ, 358, 361
 -por, 94, 3; 356
 porca, 767, 2, *b*
 porricēre, *p.* 247; *Pref.*
p. lxix, *n.*
 Porsena, 824, *b*; *Pref. p.*
 lxix, *n.*
 portus, 209, 2
 posivi, *p.* 255
 posse, *Comp. of, p.* 395
 post, 535
 post, *Comp. of, p.* 390
 postliminium, 929, *c*
 postmodum, 528
 postus, 245, *i*
 potestas, 811
 potiri, *p.* 255
 potis, poti, 209, 2; 407;
 725
 potivi, *p.* 255
 potui, 725
 præ, *p.* 381, 384; 390
 præbere, *p.* 247
 præcordia, *p.* 390
 præditus, *p.* 243

- prædium, 929
 prætica, 985
 prætiscini, 524
 præmium, 929, *a*
 præposterus, *p.* 384
 prærat, 725
 præes, 446
 præsepe, 410
 præsertim, 533
 præstare, *p.* 260
 pransus, 735
 prehendere, 230, 3
 prelum, 176, 1
 primigenus, 997
 primipara, 997
 primo-, *Comp. of, p.* 386
 prior, *neut.*, 460
 privilegium, 988
 privignus, 826
 pro, 160, 8
 pro-, *Comp. of, p.* 384;
 p. 390
 proavus, *p.* 384
 probeat, 211, 3
 procus, 234, 5
 prod, 16c, 8
 prodigium, 929, *d*
 profanus, *p.* 390
 profecto, 511, (1)
 profestus, *p.* 390
 profligare, *p.* 246
 progener, *p.* 384
 proh, 999
 prohibessit, 619, 622
 proin, 211, 2
 proles, 426
 promisce, 515
 promulsis, 822
 promunturium, 940
 pronuba, 985
 propago, 160, 8
 propalam, *p.* 384
 propediem, 529
 propellere, 160, 8
 propemodo, 511, (1)
 propemodum, 528
 propinare, 160, 8
 prora, 891, *p.* 340
 prosa, 185, 1; 211
 Prosepnaïs, 356, *a*
 prosperus, *p.* 390
 protelum, *p.* 384
 proverbium, 929, *c*
 proximus, 754
 -pse, 378
 -pte, 389
 publicus, 69
 Publipor, 94, 3
 Publius, 69
 pudet, *p.* 256
 puer, 315
 puere, 347
 puerpera, *p.* 393
 pulcros, 132
 puleium, 929, *b*
 pulex, 174, 2
 -pūlo-, 860
 pultare, 191, 3
 pungere, *Comp. of, p.* 393
 pusula, pustula, 859; *Pref.*
 p. lxx
 putare, 964
 puteal, *p.* 334
 putrefacere, 994
 putus, 787
 quadr-, *Comp. of, p.* 386
 quadriduum, 184, 2
 quadrifidus, 997
 quadrupes, 446
 quadruplari, 958
 qvæso, *p.* 256
 quamde, 522
 qvase, 234, 6
 qvasi, 524, 1
 qveo, 733
 qvercus, 395
 qverqvætum, 119
 qvi, *abl.*, 379, 383
 qvi, *adj.*, 380
 qvid, 383
 qvies, 240, 4
 qvilibet, 995
 qvinc-, *Comp. of, p.* 386
 qvindecimære, *p.* 449
 qvinqvætrus, 902
 qvinqve, 118, 2
 Qvintilius, 90, 2
 qvipiam, 382
 qvippe, 517
 qviqvi, 382
 qvis, 379
 qvisqviliæ, 741, 2
 qvitus, 733
 qvivis, 995
 -qvo-, 767
 qvocirca, 160, 11
 qvod, 536
 qvoiei, 379
 qvom, 528
 qvondam, 528
 qvum, 108, 4
 r *whispered, Pref. p.* lviii
 -r-, 897
 rabula, 859
 Rabuleius, 951
 rana, 831
 rapere, *Comp. of, p.* 393;
 395
 rarefacere, 994
 rationi, 467
 ravus, 761
 -rco-, 771
 reapse, 373
 reatus, 801
 recido, 160, 6
 recipie, 86, 1
 reciprocus, 767
 recuperare, 971
 recuperatores, *p.* 346
 red, 160, 6
 reddibo, 604
 redivivus, 763
 reducere, 160, 6
 reduvia, 928, *a*
 refert, *p.* 245
 regificus, 996
 regifugium, 996
 rei, 359, *c*; 360, *c*
 reice, 144
 reiculus, 862
 religio, 160, 6
 reliqvíd, 158
 reliqvus, 118, 2; 160, 6
 remulcus, 771
 repperi, 160, 6
 repræsentare, 960
 repudium, 929, *a*
 reqvies, 445
 res, 343, 357, 360
 restibilis, 876
 -ri-, 897

- rīco-, 771
 rigare, 240, 3
 -rīmo-, 756
 -rio-, 940
 -rio-, *Prop. names*, 950
 rivus, 761
 -ro-, 883
 Roma, 753
 rosmarinus, *p.* 380
 -ru-, 896
 rudimentum, 792
 rufus, 99, 6
 runcina, 824, *c*
 ruta, *p.* 257

 -sā- (*verbs*), 964
 sacerdos, *p.* 391
 sacrilegus, *p.* 392
 sacrosanctus, 998; *Pref.*
 p. xxi
 sæculum, *p.* 325
 sæpes, 66, 5
 sagum, 783
 Saguntum, 126, 4
 sal, 453
 salix, 201, 3
 salve, *p.* 257
 salus, 811
 salvus, 761
 sam, sas, 377
 Samnium, 78
 sangvis, 449
 Saranus, 830, *c*
 satago, *p.* 240
 satias, 445
 satis, 545
 Saturnus, 828
 saxatilis, 879
 -sc- (*verbs*), 978
 scabellum, 870, 2, *c*
 scalæ, 871
 scalpere, *Comp. of, p.* 393
 scalpurire, 977
 scamnum, 78
 schēma, 492
 schēmasin, 492
 scibam, 607
 scibo, 603
 scicidi, *p.* 258
 scindere, 240, 2
 Scipiadas, 475, *c*

 scriptulum, 858
 scriptura, 893, 2
 scrupulum, 858
 scūtula, 858
 scutula *or* scytale, 219, 2
 se-, *Comp. of, p.* 390
 se- (*sex*), *Comp. of, p.* 387
 secare, *Comp. of, p.* 393
 sector, *p.* 347
 secus, *subst.*, 912
 secus, *adv.*, 543
 -secus, 532
 sed, 160, 6; 385
 sedulus, *p.* 390
 seedes, *p.* 429
 segestre, 904
 seispita, 444
 sembella, *pp.* 386, 445
 semi-, *Comp. of, 142, 2;*
 p. 386
 semol, 538
 semper, 540
 senati, 399
 senatuos, 463
 senatus, 801
 senex, 449; 777
 sensiculus, 862, 2, *a*
 senticetum, 798
 septem, *Comp. of, p.* 386
 septentrio, 852
 septuaginta, 794
 sequester, 388
 seqvi, *Comp. of, p.* 393
 serere, *link*, 182, 2
 serere, *sow, Comp. of, p.*
 393
 Serranus, 830, *c*
 serum, 230, 4
 sesqui, *Comp. of, p.* 386
 sestertium, *p.* 446
 sestertius, *p.* 386
 set, 150
 setius, 110, 4
 seu, 518
 severus, 90, 3
 Severus, 894
 sextarius, 942, 2
 sexus, 800
 si, 524
 -si- (*for -ti-*), 802, 803
 sibe, 234, 6; 265, *c*

 -sībīli- (*for tībīli*), 877
 sic, 524
 sicilicus, *pp.* 448, 449
 siccus, 767
 -sīcio- (*for tīcio*), 931
 siem, 590; 722
 sigillaria, 906, 2
 Silanus, 830, *c*
 -sīli- (*for -tīli*), 878
 simia, 318; 928, *b*
 simītu, 514
 simitur, 514
 simplex, 190, 3
 sin, 537
 sinciput, 109, 3
 singula, *p.* 448
 singuli, *use of, App. D.*
 v. i, 3
 sīnistimus, 757
 -sio-, *Prop. names*, 950
 -siōn- (*for tiōn*), 854
 siremps, 542
 sis, 728
 siser, 455
 siseres, 322
 -sītā- (*verbs*), 966
 sīve, 518
 -sīvo- (*for tīvo*), 764
 -so- (*for to*), 787, 788
 sobrinus, 839
 socer, 887
 socordia, 41
 sodes, *p.* 398
 solacium, 110, 4
 soldus, 245
 solere, *p.* 259
 solinunt, 632
 sollicitus, 998
 sollistimum, 757
 sollus, 757
 solox, 779
 solstitium, *p.* 393
 solve, 41
 somnus, 84
 sōna, 189, 2
 sonare, *p.* 260
 sonare, *Comp. of, p.* 393;
 396
 -sōr- (*for tōr*), 908
 sorbeo, 75, 3
 sordes, 421

sordi, 421
 -sōrio- (*for* tōrio), 943
 sors, 803
 sorsum, 232, 3
 sorti, 420
 sortilegus, *p.* 392
 sortiunto, *p.* 430
 specere, *Comp. of, p.* 393
 spolium, 66, 5
 spurius, 65, 2
 ss, *origin of, Pref. p.* lxii
 -ss-, *contracted forms in,*
 661, 663
 -sso, *futures, &c. in,* 619
 —624
 st, *interj.,* 999
 -st-, *Pref. p.* lxii
 st (*for* est), 721
 statim, 533
 stator, 908, *b*
 statuere, *Comp. of, p.* 393
 staturus, *p.* 260
 stella, 328
 sternere, *Comp. of, p.* 393
 sternuere, 230, 3
 sterquilinium, 934
 sti = isti, 375
 -sti-, 808
 stillicidium, 177, 1; 996
 stimulus, 129, 2, *c*
 stipendium, *p.* 393
 stipulari, 955
 stlis, 176, 3
 strictim, 533
 strigilis, 182
 strues, 413
 struix, 781
 studere, 149
 -su- (*for* tu), 800
 sub, 68, 1
 sub-, *Comp. of, pp.* 382;
 384; 390
 sublimis, *p.* 390
 sublustris, 904
 suboles, *p.* 381
 subrupio, 204, *c*
 subsellium, *p.* 390
 subtilis, 113
 subula, 861
 subulcus, 771
 Subura, 892

subus, 392
 SVC, 892
 succedaneus, 923
 succensui, *p.* 248
 succidia, 928, *a*
 sucula, 862, 2, *b*
 sucus, 107, 3
 sueris, 392
 suerunt, 94, 2
 suffibulum, 861
 suffocare, *p.* 390; § 960
 suffragari, 971
 suffragium, 929, *a*
 sugere, *Comp. of, p.* 393
 -sul-, 874
 sulcare, *Comp. of, p.* 396
 Sulla, 868
 sullaturire, 976
 sultis, 728
 summus, 754
 suovetaurilia, 991
 supellex, 878
 super, *adj.,* 885, 1
 supercilium, *p.* 390
 superstition, 854, *b*
 suppeditare, *p.* 390
 supplicium, 929
 supra, 160, 6
 surgere, *p.* 257
 -sūro- (*for* tūro), 893
 surpere, 245, 3
 surrexe, 663
 surus, 219, 1
 sus, 392; 400
 suspicio, 110, 4
 susum, 512
 -tā- (*verbs*), 964
 tabe, tabo, 411
 tædet, *p.* 260
 talitrum, 888, 2
 talpa, 149, 3; 349
 -tāneo-, 924
 tapeta, 418
 tarpessita, 184, *a*
 -tāt-, 810
 taxtax, 999
 tecina, 54
 ted, 385
 tēla, 872
 -teo-, 921

temperi, 458
 tempestivus, 763
 templum, 859
 tenebricus, 814
 tenere, *Comp. of, p.* 393
 tennitur, 166
 tensum, 702
 tenvis, 92, 142
 tenuis, 543
 -tēr-, 905
 terere, *Comp. of, p.* 393
 tērēs, 417
 -tēri-, 903
 terni, *p.* 443
 -terno-, 829
 -tēro-, 888
 terricola, *p.* 325
 terrigena, 996
 territorium, *p.* 263
 terui, 678
 teruncius, *pp.* 445, 448
 tessera, 885
 testa, 788, *b*
 testis, 803
 testu, 396
 tetini, 667
 Thales, 494
 -ti- (*si*), 802, 803
 Tiberius, 239
 -ticio-, 931
 -tigā- (*verbs*), 963
 tigris, 501
 -tīli- (*sīli*), 878
 -tīmo-, 757
 -tīno-, 827
 -tīno-, 840
 -tio-, 932
 -tio-, *Prop. names,* 941
 -tiōn- (*siōn*), 854
 tis, 386
 -tītā- (*verbs*), 966
 -tīvo-, 764
 -to-, 786
 -to- (*so*), 787, 788
 toga, 234, 5
 toli, 667
 tomentum, 792
 -tōr-, 908
 -tōrio-, 943
 torus, 149; 193
 tosillæ, 168, 2, *c*

-to, -tōte (*imperative*), 584
 totæ, *dat.*, 372
 tōtus, 371
 -tr-, 905
 trans-, *Comp. of, p.* 382;
 390
 trapetas, 418
 trastrum, 168, 3, *c*
 trepidus, 69, 2
 -tri-, 903
 tribunicus, 110, 4
 -trīc-, 782
 trientabulum, 861
 trini, *p.* 443
 -trīno-, 842
 tripudium, 929, *c*
 triquetrus, *p.* 387
 triumvir, *p.* 387
 -tro-, 888
 Troasin, 498
 trochlea, 925
 -tru-, 902
 trutina, 219, 1
 tt, *instances of, Pref. p.*
 lxvi
 tuatim, 534
 tuber, 455
 tubicen, 997
 -tūdōn- (tudōn), 847
 tuēri, *p.* 262
 tueri, *Comp. of, p.* 393
 -tūmo-, 757
 turgere, 149
 -tūro- (sūro), 893
 tussis, 803
 -tūt-, 811
 tutu, 216

v, *labial, Pref. p.* xlii;
 p. 409
 vacefacere, 994
 vacillare, 969
 vacivos, 94, 2
 vae, 999
 vagire, 974
 vah, 999
 vapor, 121
 vapularis, 906, 1
 vara, 890
 varus, 884
 vārus, 890; *Pref. p.* xli

vas (vad-), 446
 vasa, 459
 vatum, 418
 -ŋceo-, 921
 -ūco-, 773
 -ūd-, 822
 -ūdōn- (udīn), 846
 ve-, *Comp. of, p.* 385
 vegetus, *p.* 262
 veha, 928, *a*
 vehemens, 136, 3
 vel, 538
 velificare, *p.* 391
 velivolus, 997
 velle, 176, 5; 612
 velle, *Comp. of, p.* 396
 velum, 176, 1; 872, *b*
 Venerus, *p.* 427
 vēniet, 603
 venificus, 391
 vēno, 369
 venum ire, 982
 vermina, 850, *b*
 vernaculus, 862
 verrucossus, 168
 versare, *Comp. of, p.* 393
 versipellis, 988
 veru, 398
 vesci, 635
 Vesuvius, 90, 3
 veterinus, 838, *b*
 vetus, 458
 -ūgōn- (ugīn), 845
 -vi-, 765
 -ui-, 765
 via, 928, *a*
 vicesma, 417
 vicomagister, *Pref. p.* xxii
 videlicet, 982
 videsis, 583
 vietus, 263
 vigil, 453
 viginti, 126, 4; 794
 vilicus, 177, 1
 vinum, 839
 -vio-, *Prop. names, p.* 945
 vipera, 885
 vir, 184, 3; 349
 vīres, 432
 virgo, 845
 vis, 240, 2; 432

vivere, 129, 2, *c*
 -ŭlā- (*verbs*), 968
 -ŭlento-, 793
 -ŭli-, 881
 -ullo-, 868
 -ullŭlo-, 868
 -ŭlo-, 857—859
 -ŭlo-, 871
 -ultu-, 800
 ululare, 741, 1
 -ŭmo-, 754
 -unctŭlo-, 863
 unde, 121, 3
 undecim, 991
 -undo-, 817
 ungvis, 126, 3
 universitas, 810
 -unti- (*see also -enti*),
 616
 uno, *Comp. of, p.* 387
 -ŭno-, 835
 -vo-, 760, 761
 -uo-, 760, 762
 vocare, 107, 3
 vociferare, *p.* 392
 vocivos, 94, 2
 vola, 855
 volare, *Comp. of, p.* 396
 volones, 851, *a*
 voltus, 800
 voluntas, 810
 volup, 516
 voluptuosus, 814
 vorare, *Comp. of, p.* 393
 vorsoria, 943
 -vorsum, -vorsus, 512
 vortere, 93
 -uōso-, 814
 upilio, 94, 1, *b*
 -ŭr-, 899
 -ŭr- (*for ūs*), 918
 urgere, 126, 2
 -ŭrī- (*verbs*), 976
 -ŭrī- (*verbs*), 977
 -ŭri-, 909
 -urno-, 828
 -ŭro-, 884
 -ŭro-, 892
 urps, 78
 ursus, 220, 5
 -ŭs- (ŭr), 918

-uscūlo-, 864
-usto-, 789
usuræ, *p.* 450
usurpare, *p.* 393
ususfructus, *p.* 380

ut, 150
-ūt- (*It*), 804
-ūt-, 811
uti, 524, 1
-ūtī- (*verbs*), 975

-ūto-, 797
vulgus, 338
vulsi, *p.* 262
vulta, 396

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